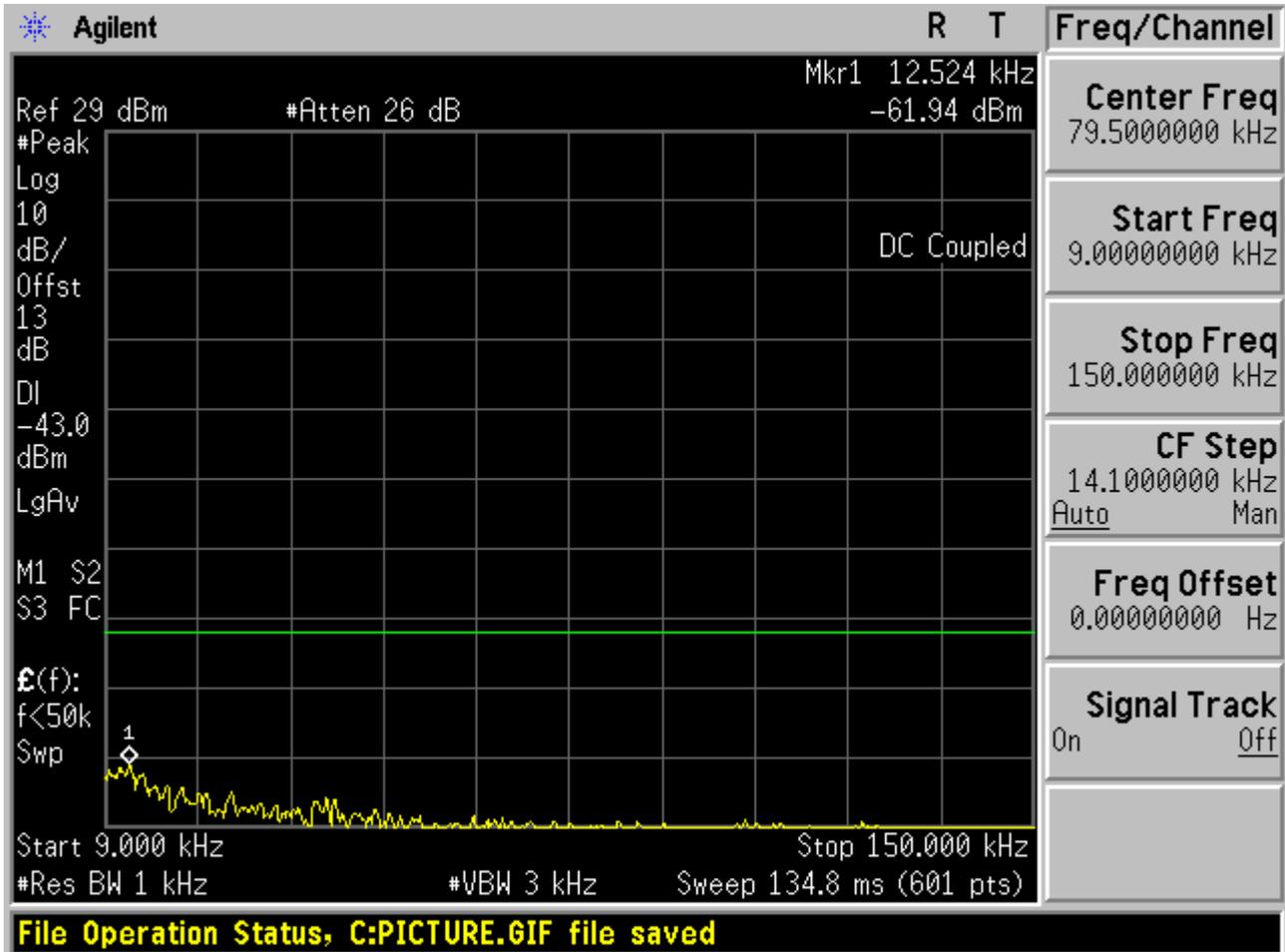
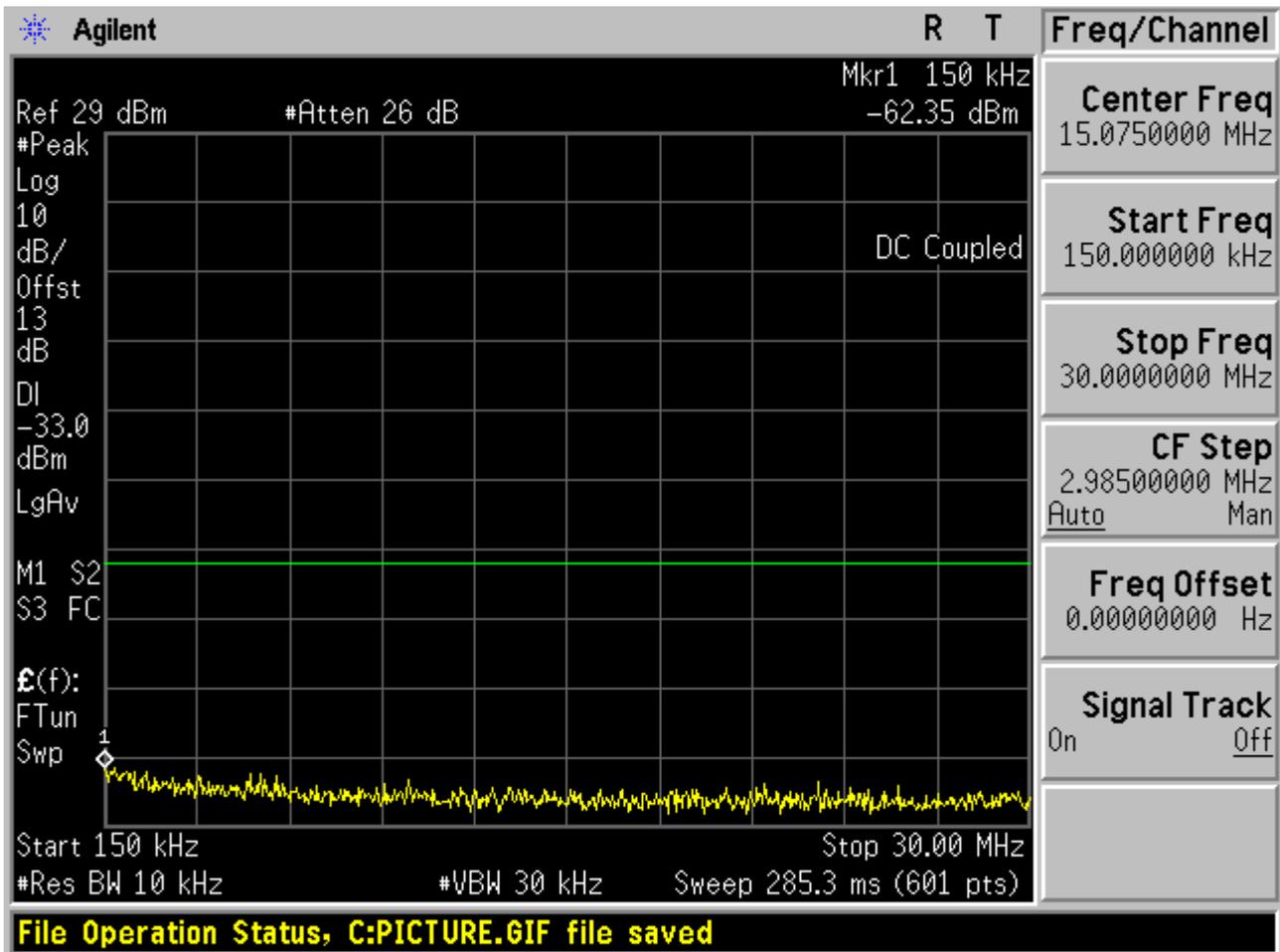


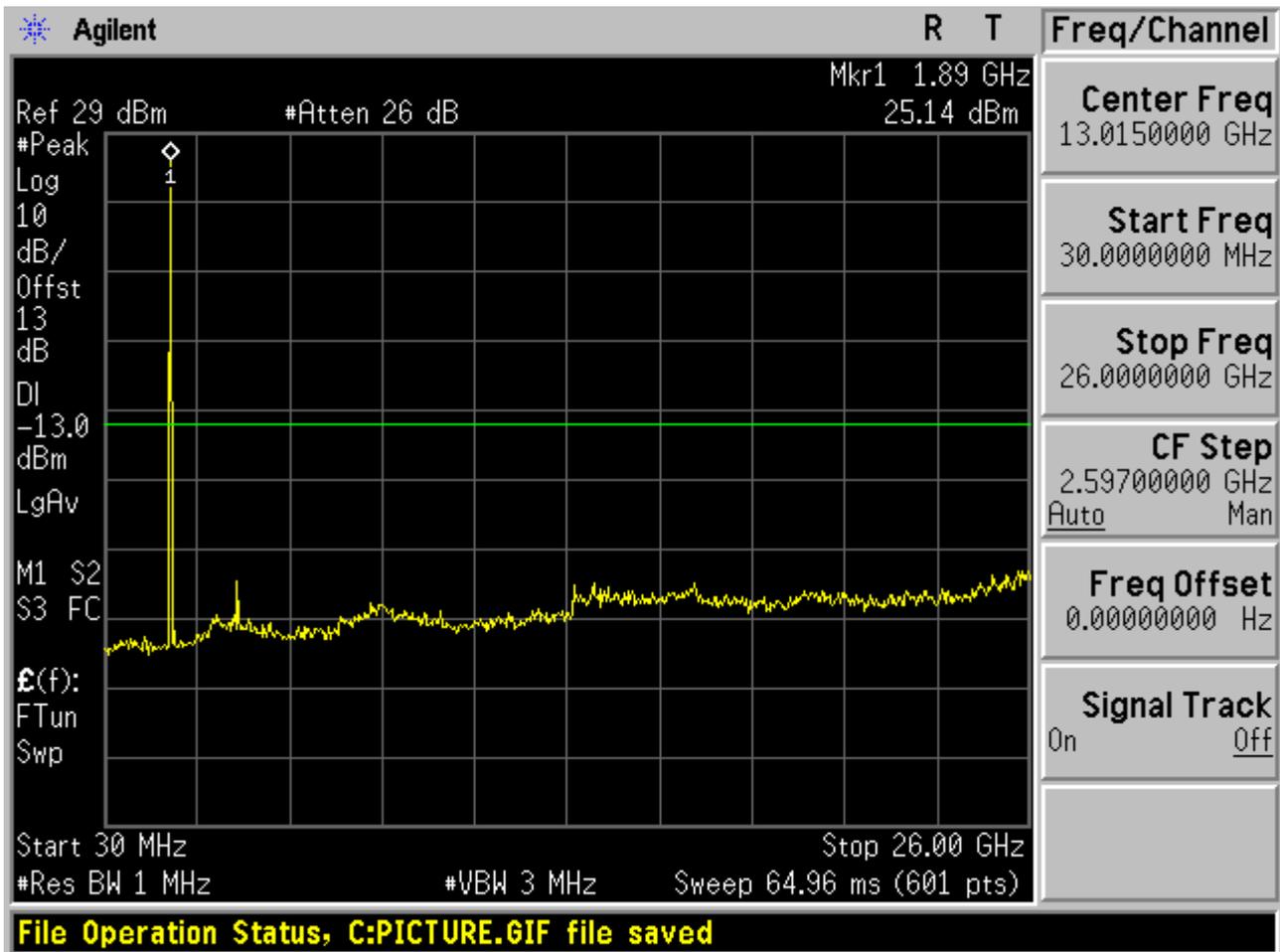


4.2.1.2 Channel = M

4.2.1.2.1 16QAM/1RBs /RB #0



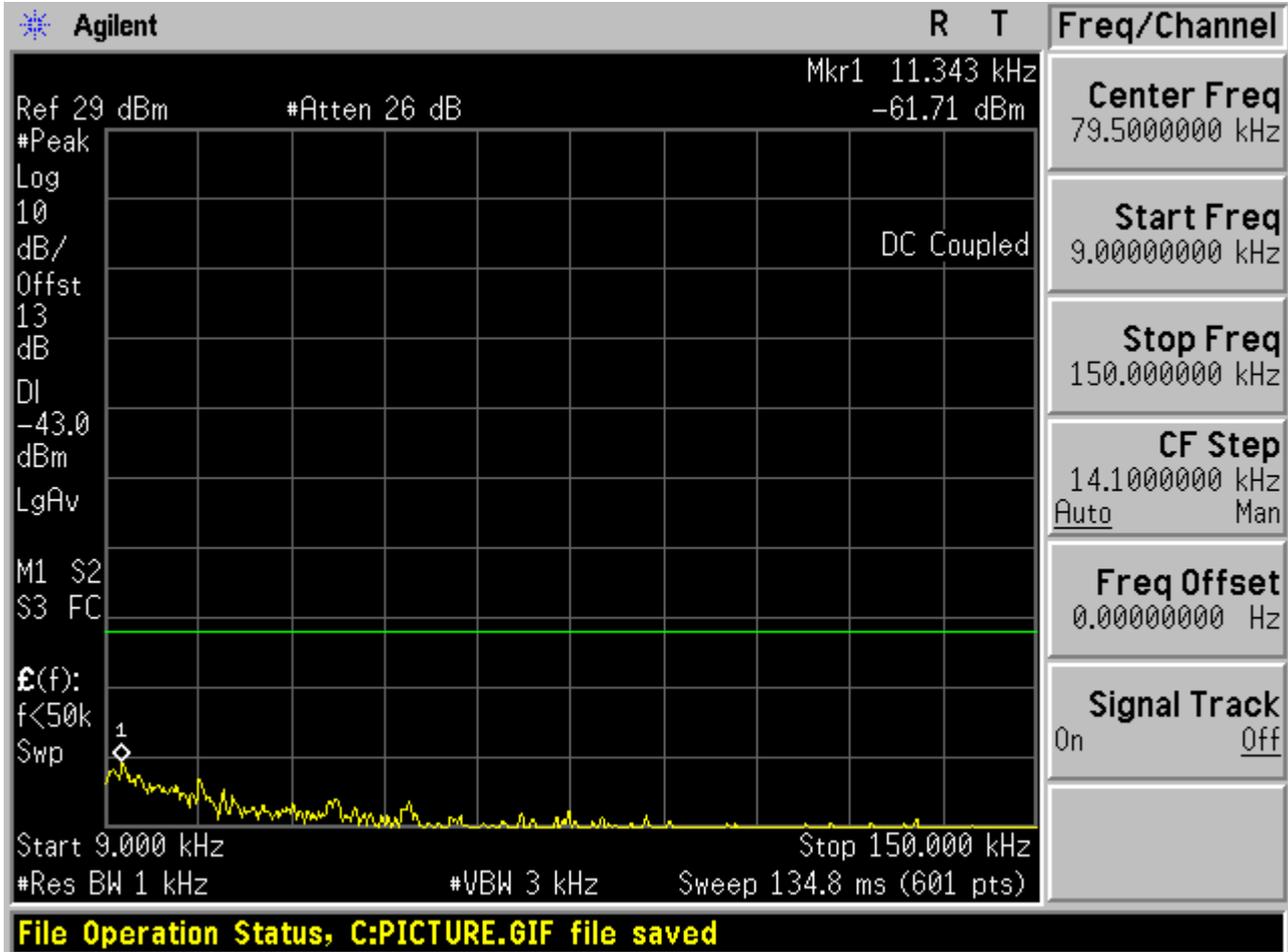


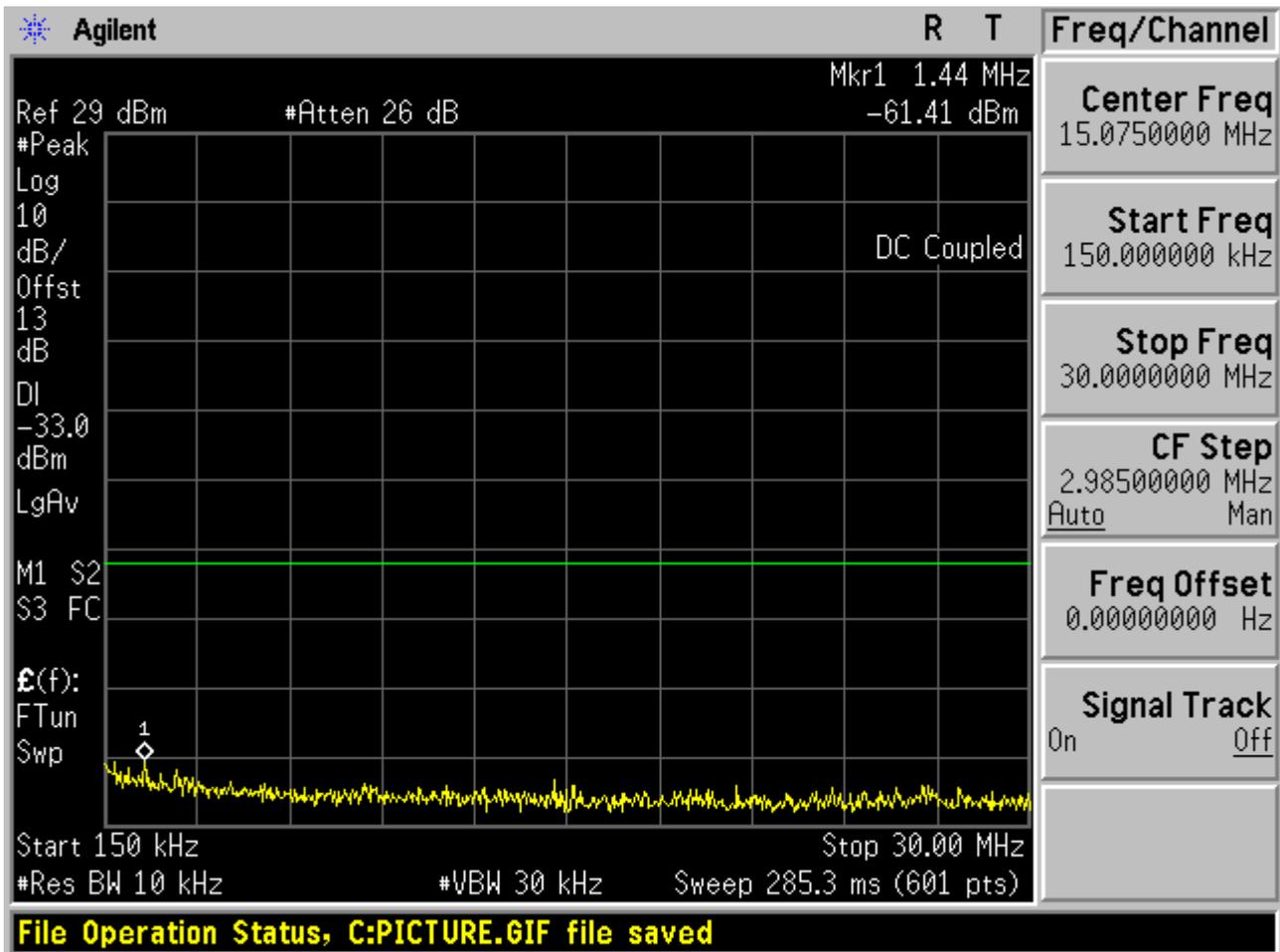


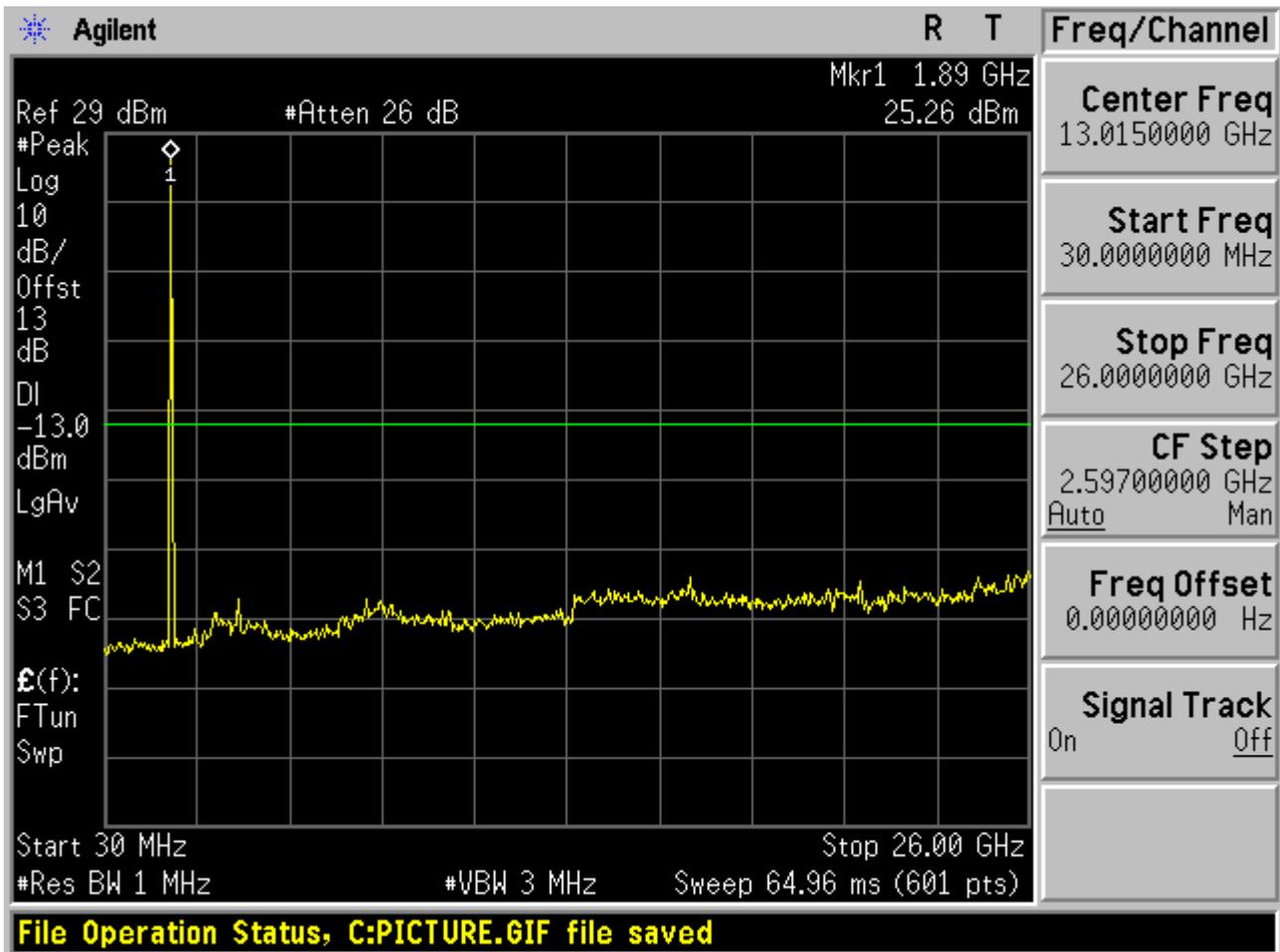


4.2.1.3 Channel = T

4.2.1.3.1 16QAM/1RBs /RB #0





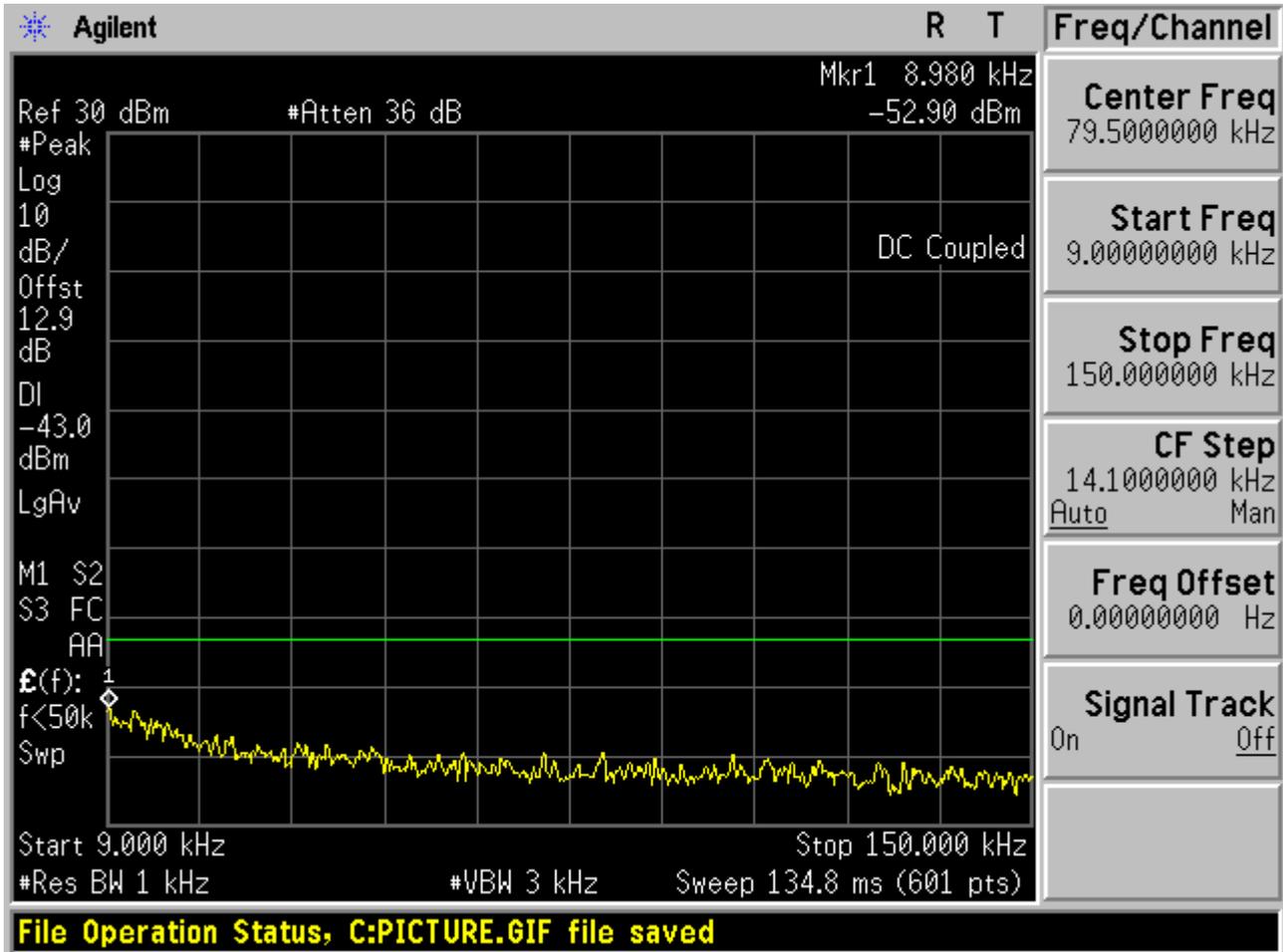


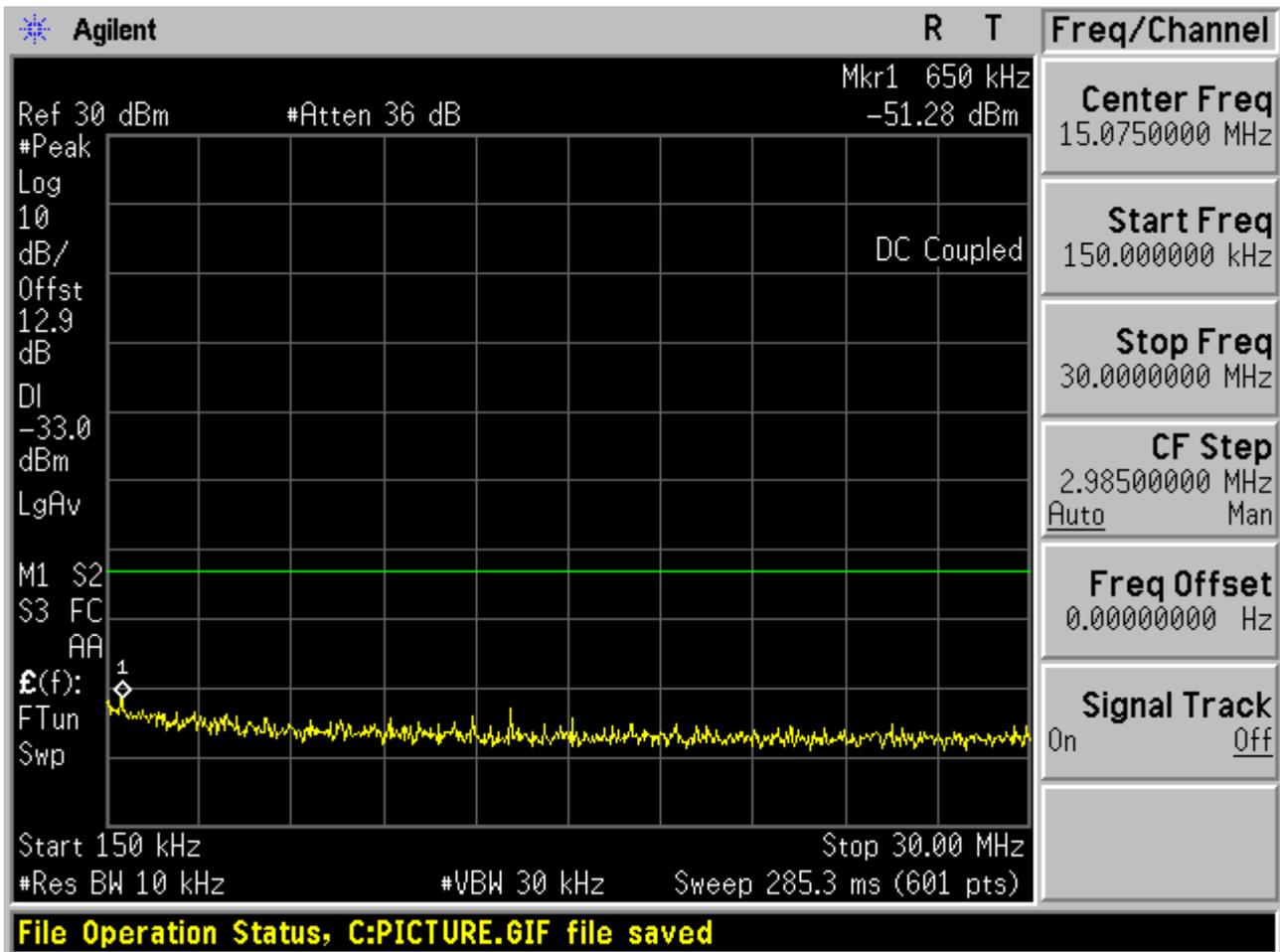


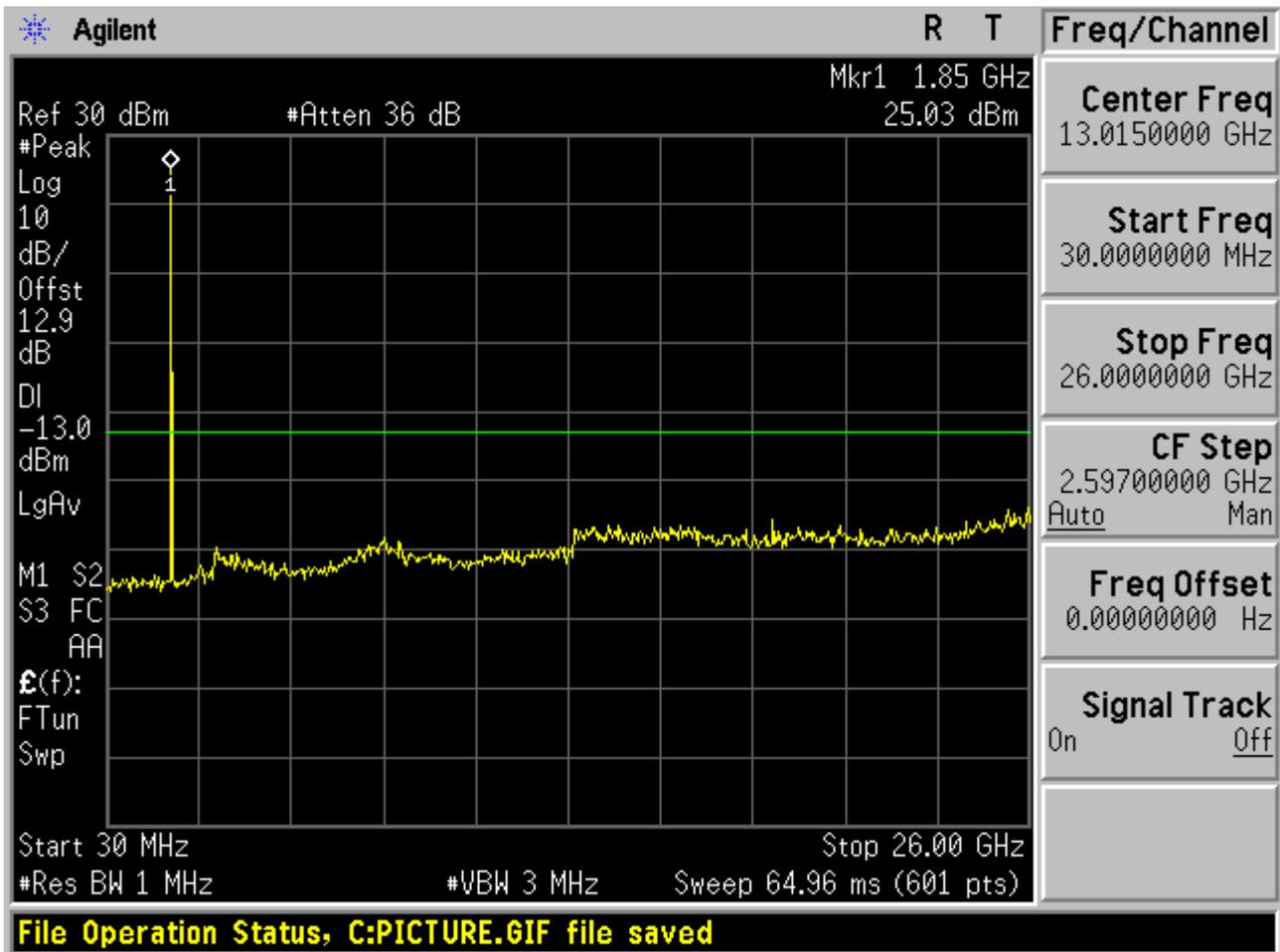
4.2.2 Channel Bandwidth = 10 MHz

4.2.2.1 Channel = B

4.2.2.1.1 16QAM/1RBs /RB #0



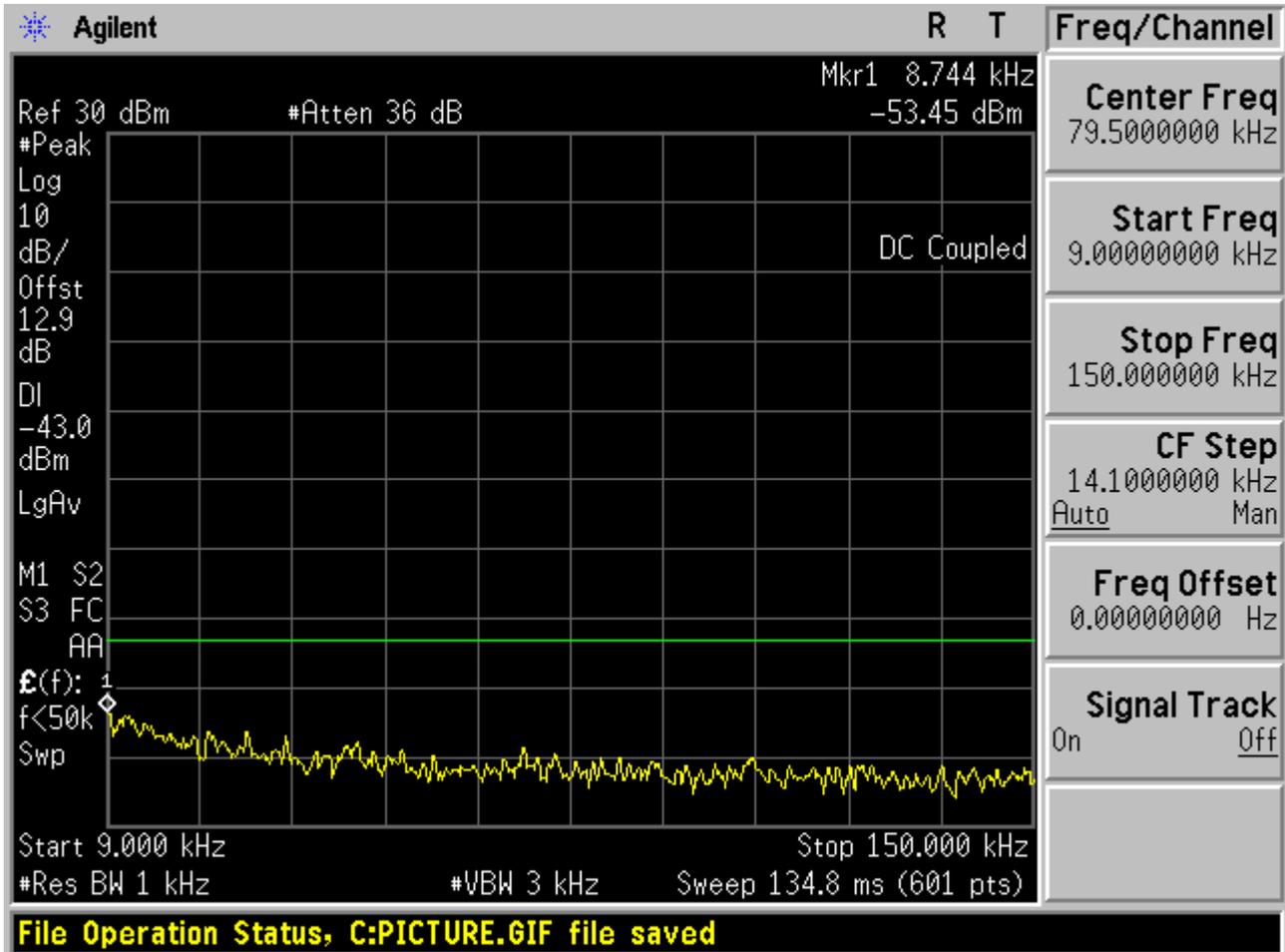


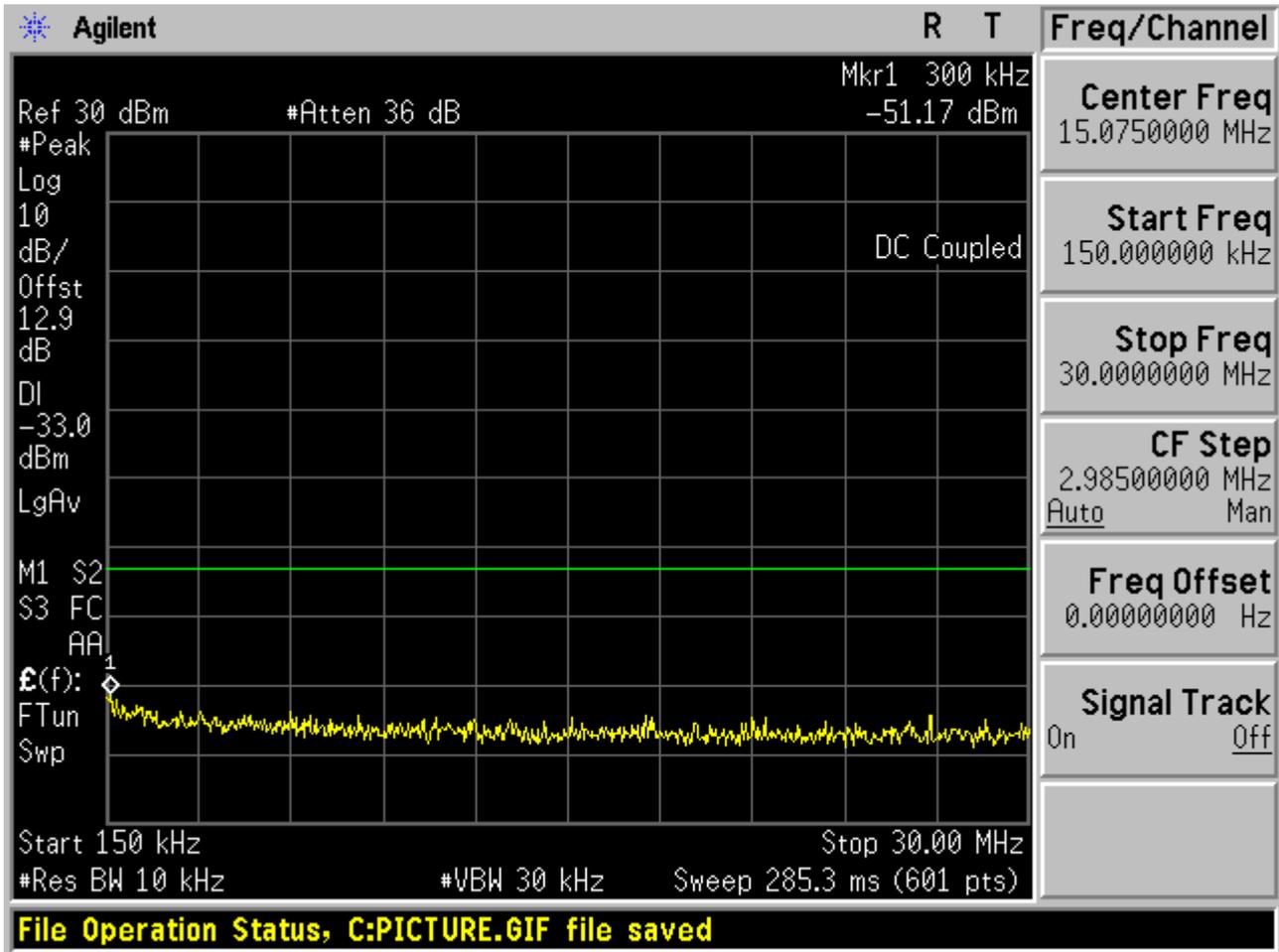


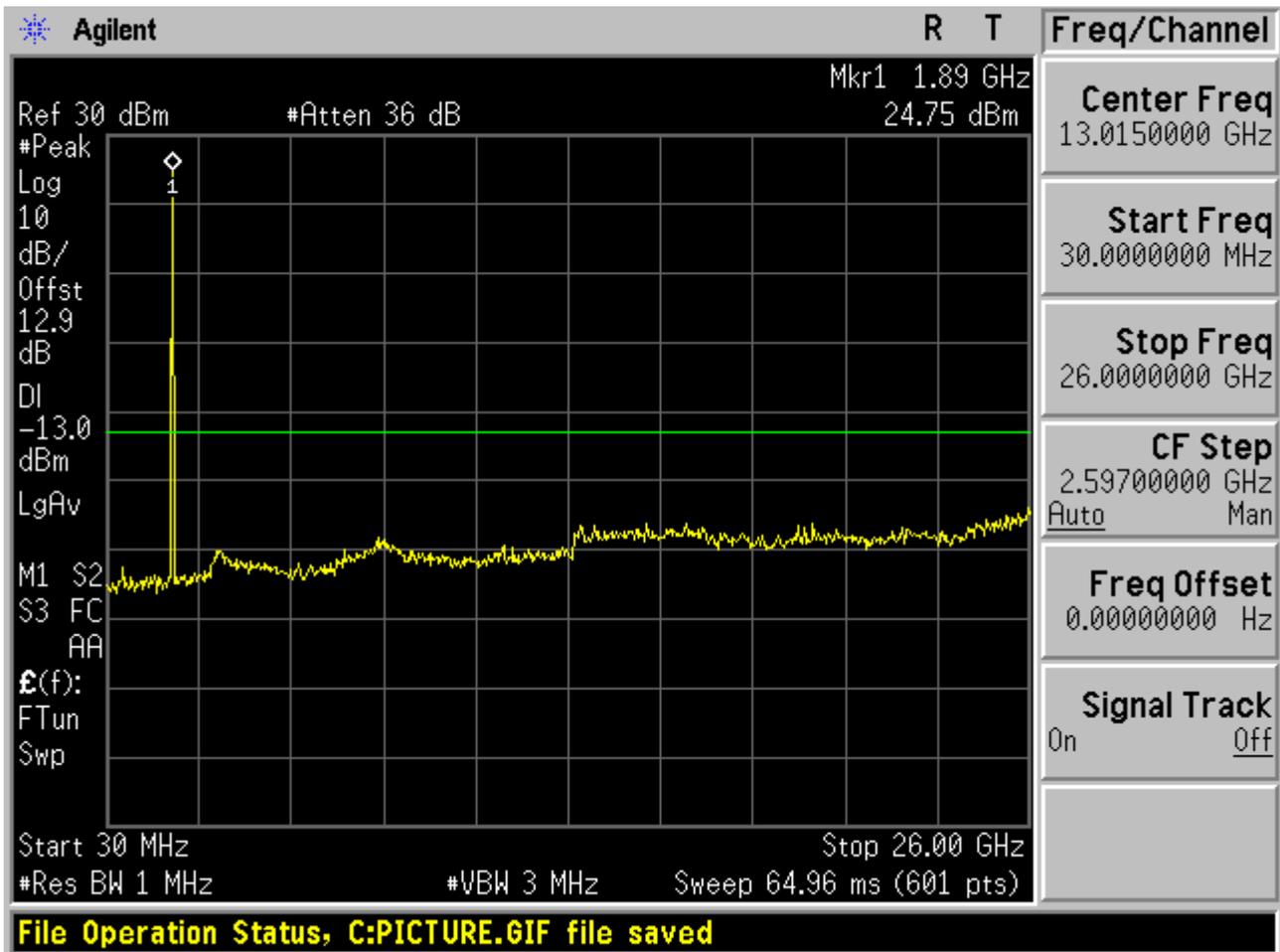


4.2.2.2 Channel = M

4.2.2.2.1 16QAM/1RBs /RB #0



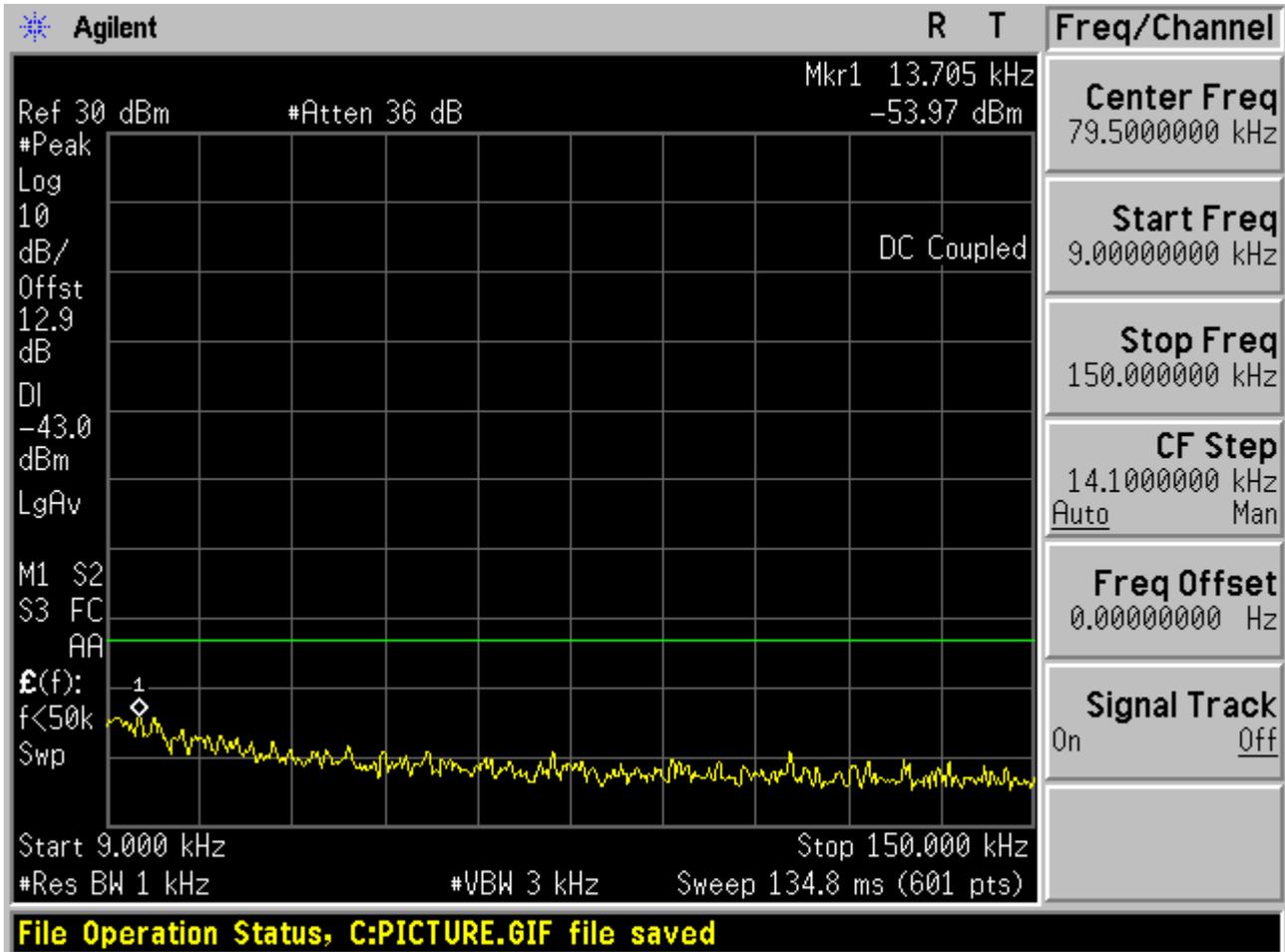


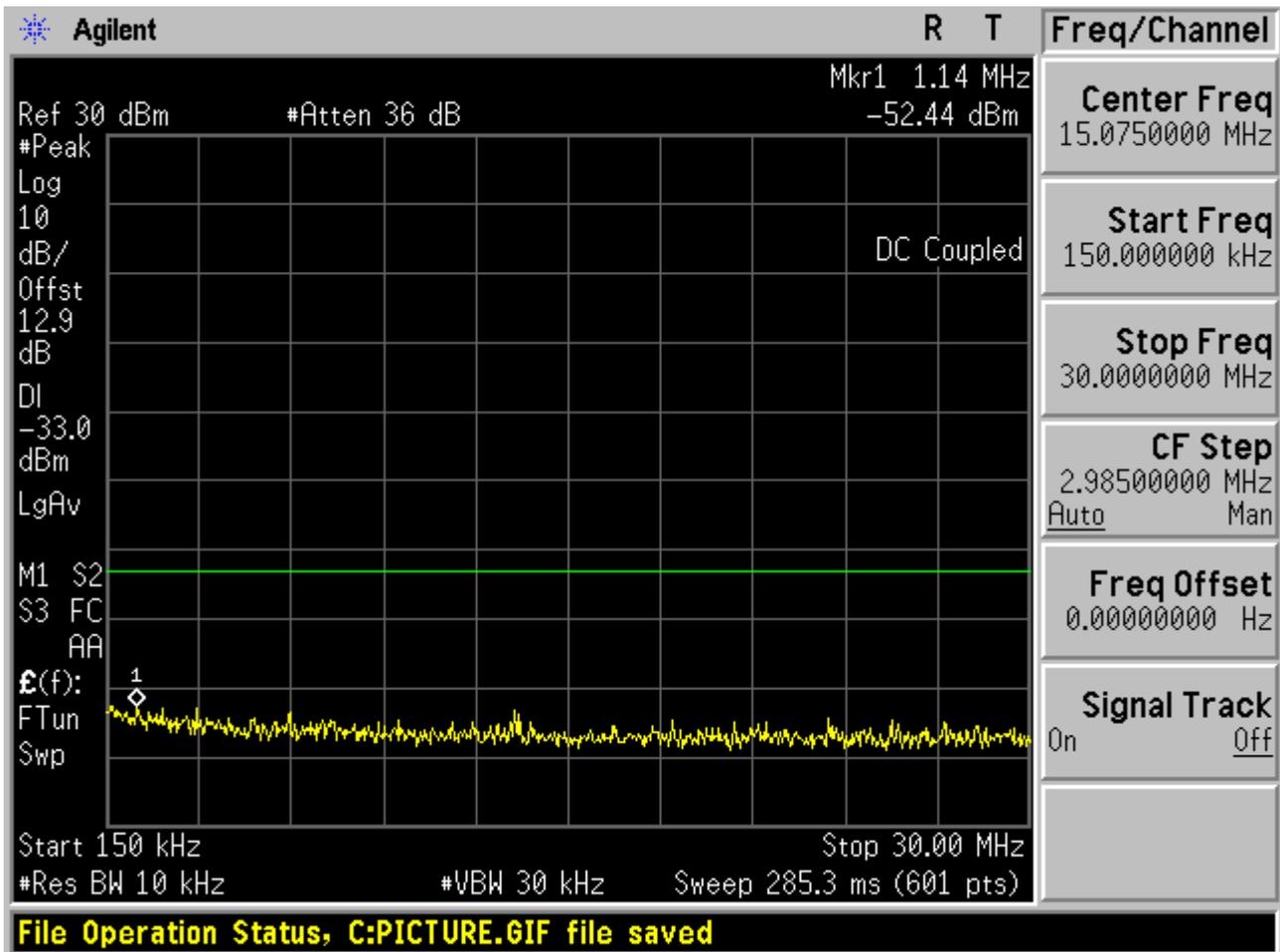


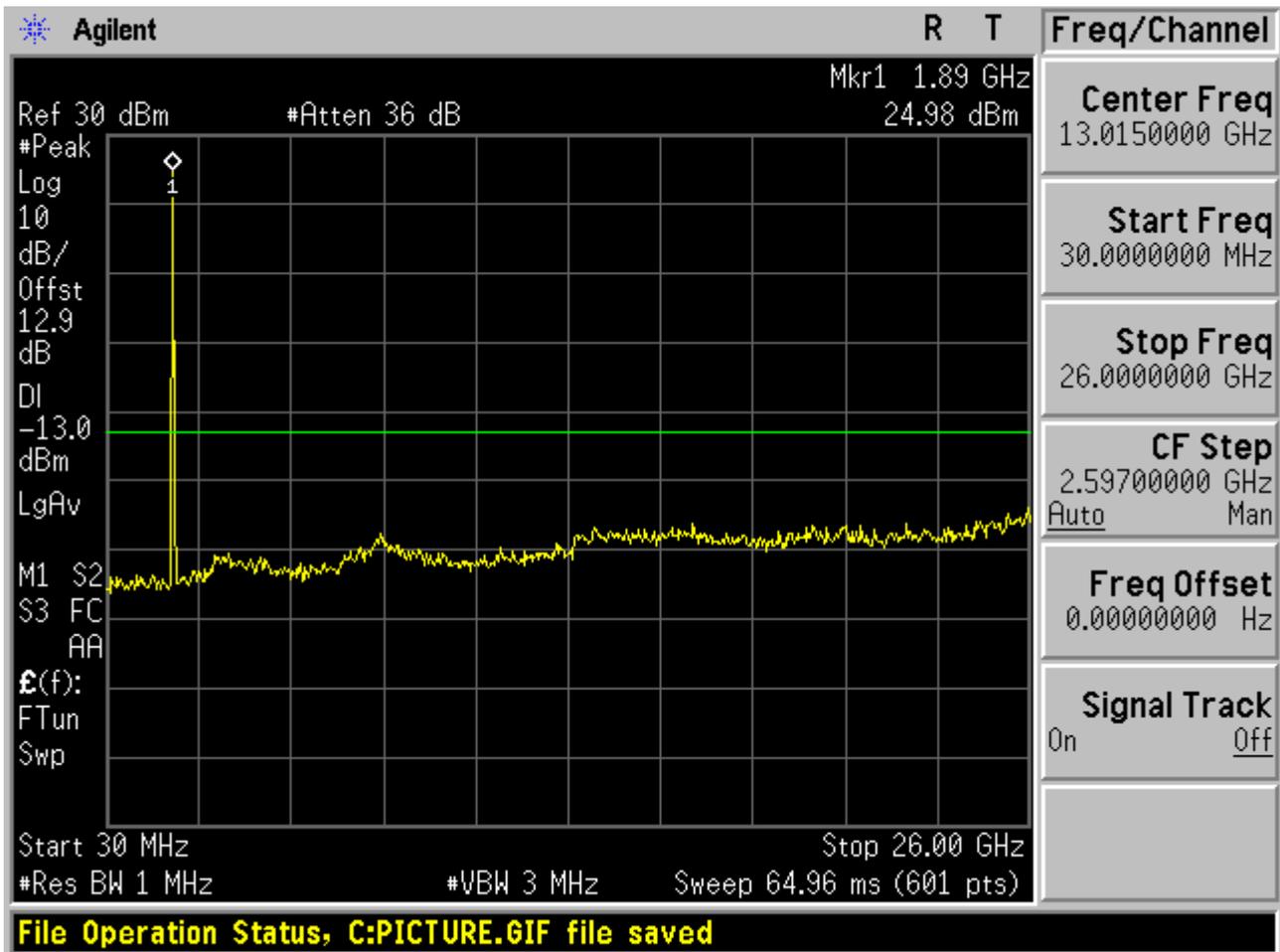


4.2.2.3 Channel = T

4.2.2.3.1 16QAM/1RBs /RB #0





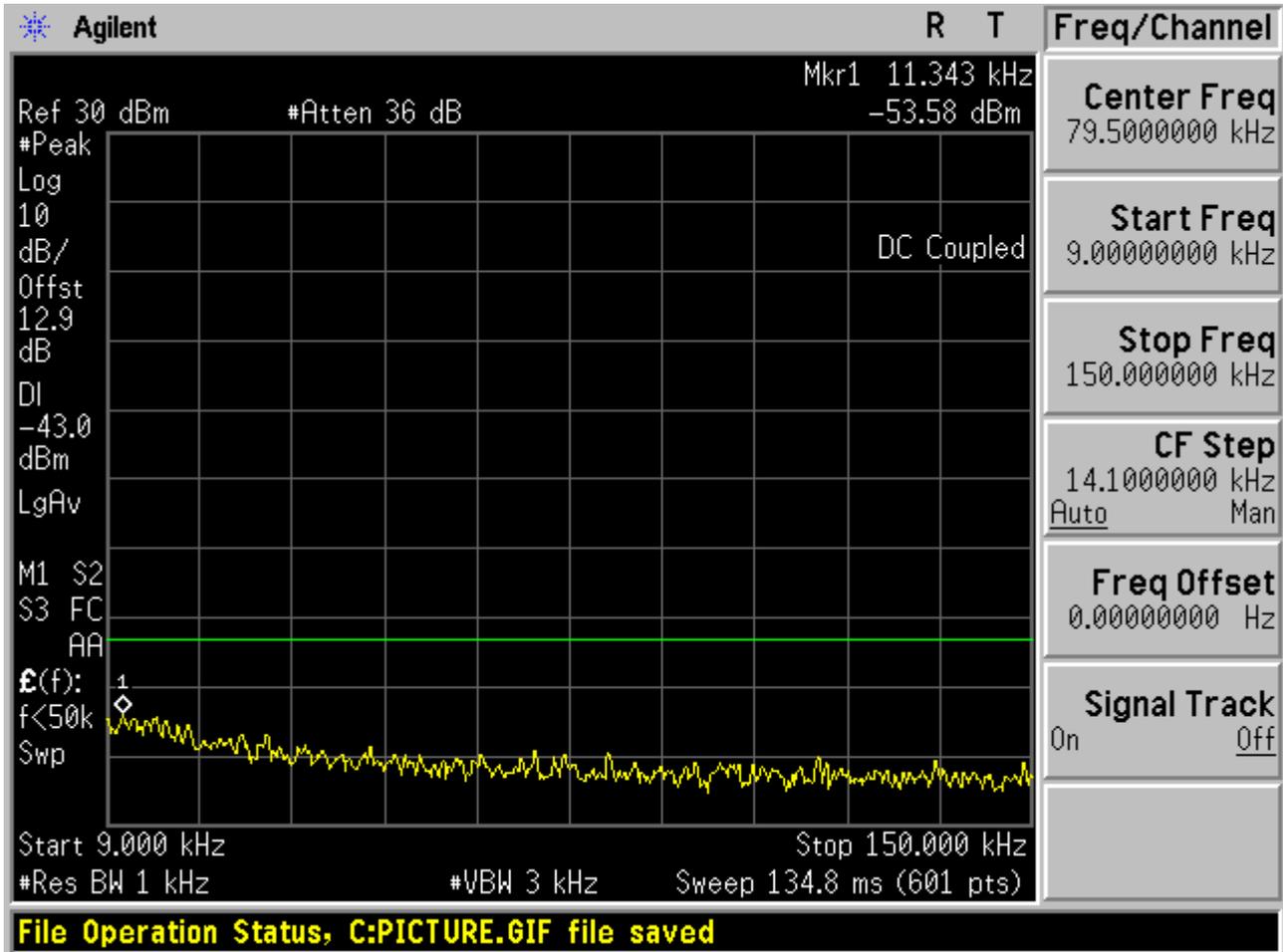


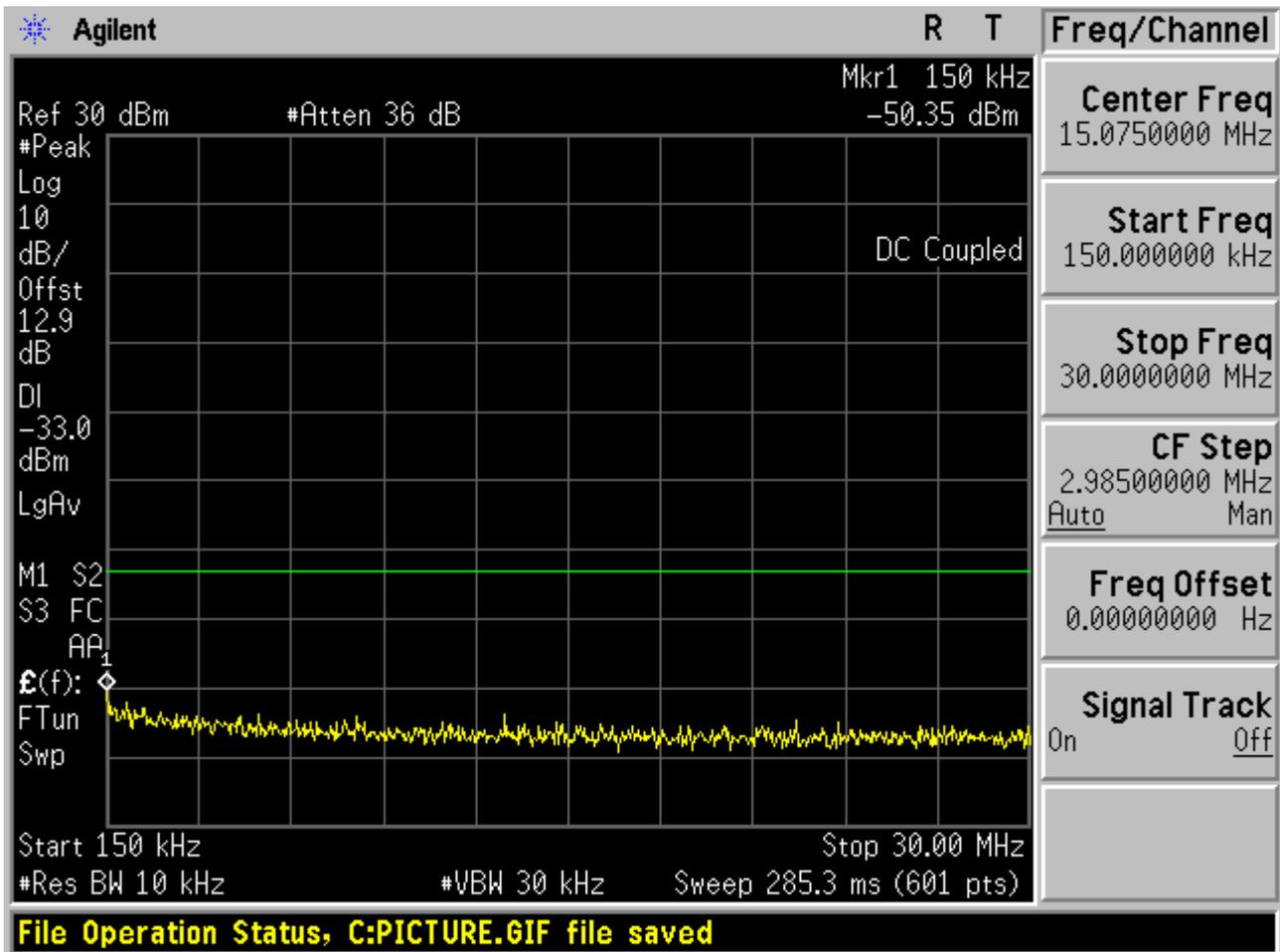


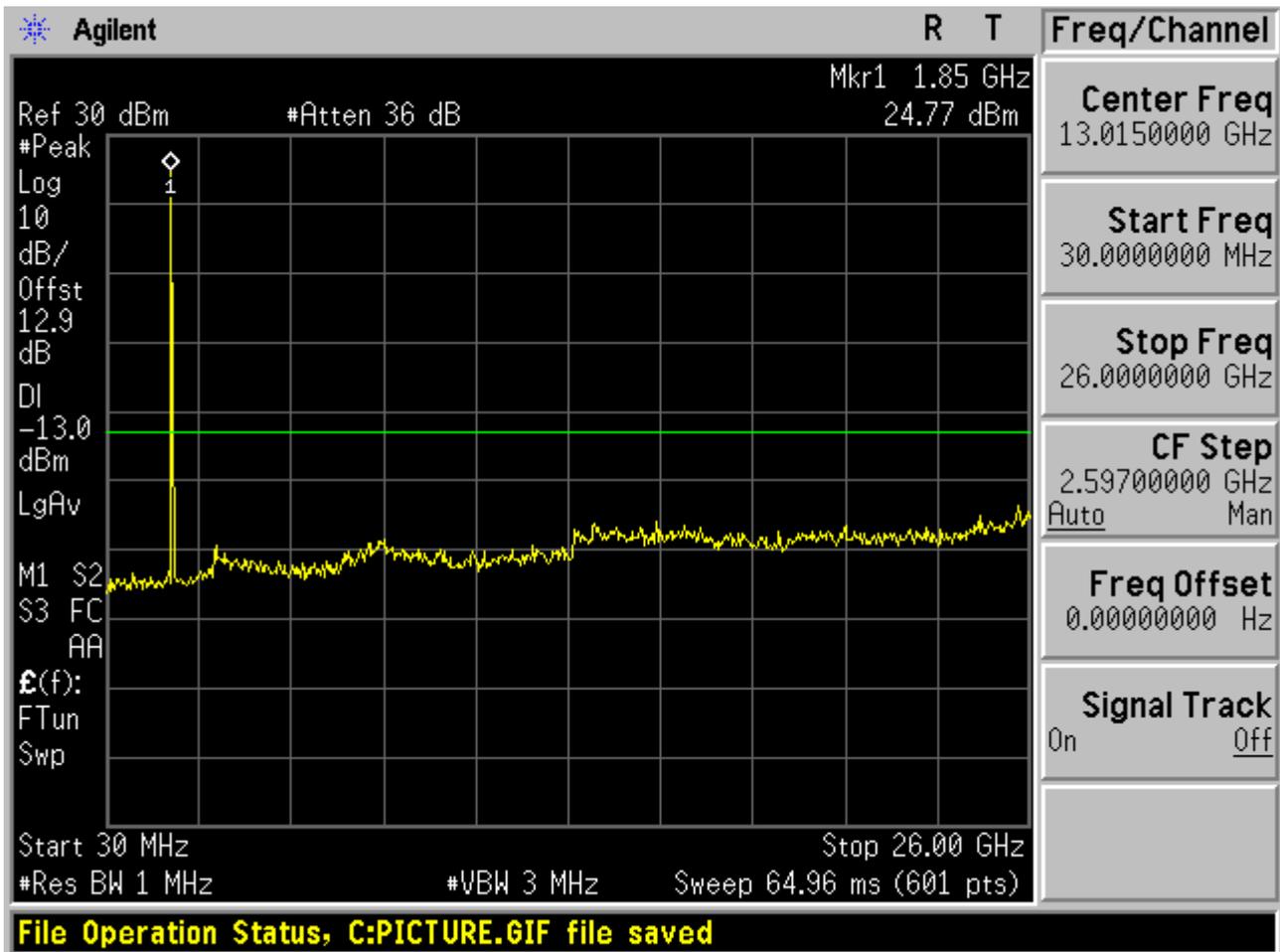
4.2.3 Channel Bandwidth = 15 MHz

4.2.3.1 Channel = B

4.2.3.1.1 16QAM/1RBs /RB #0



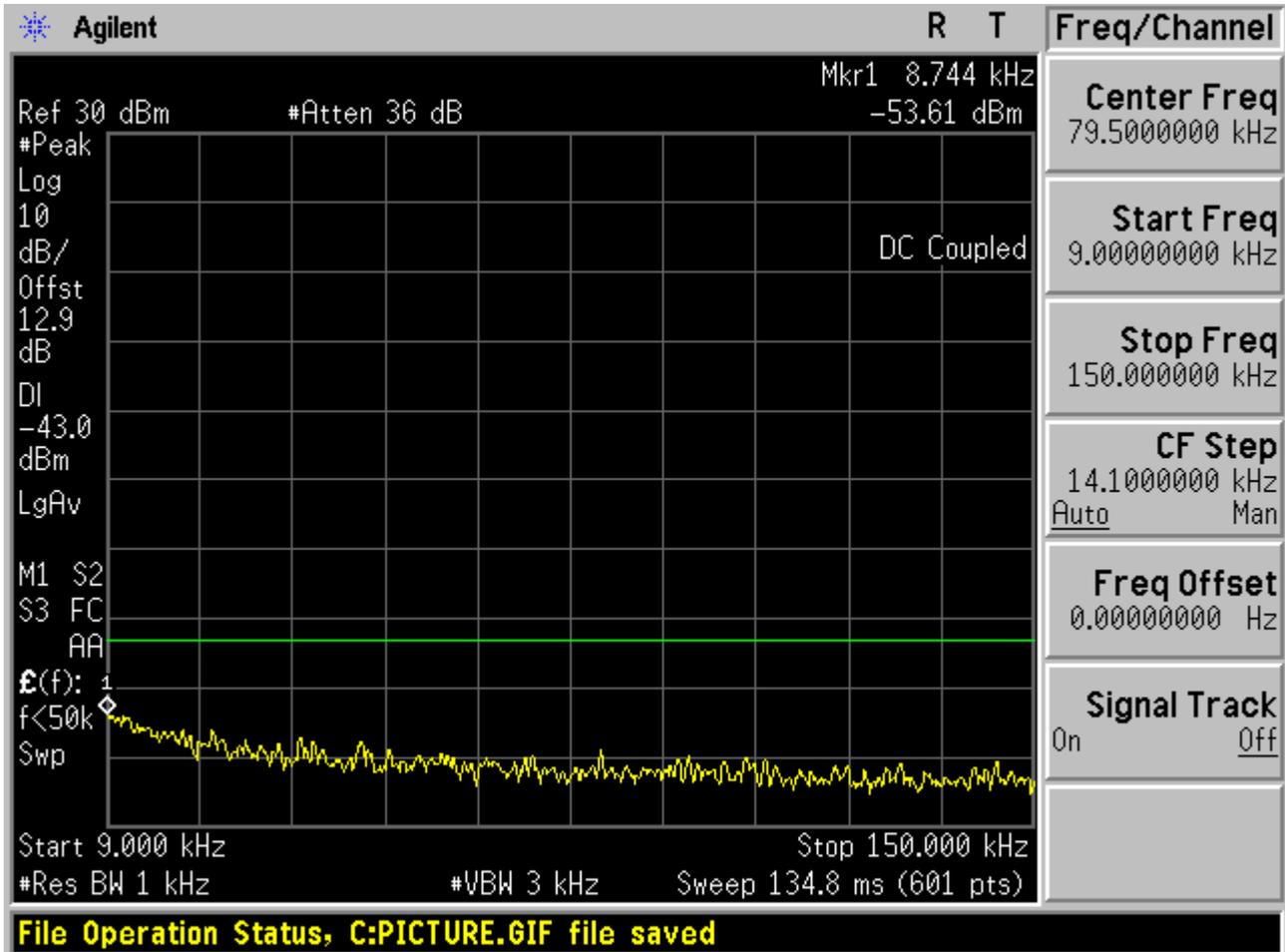


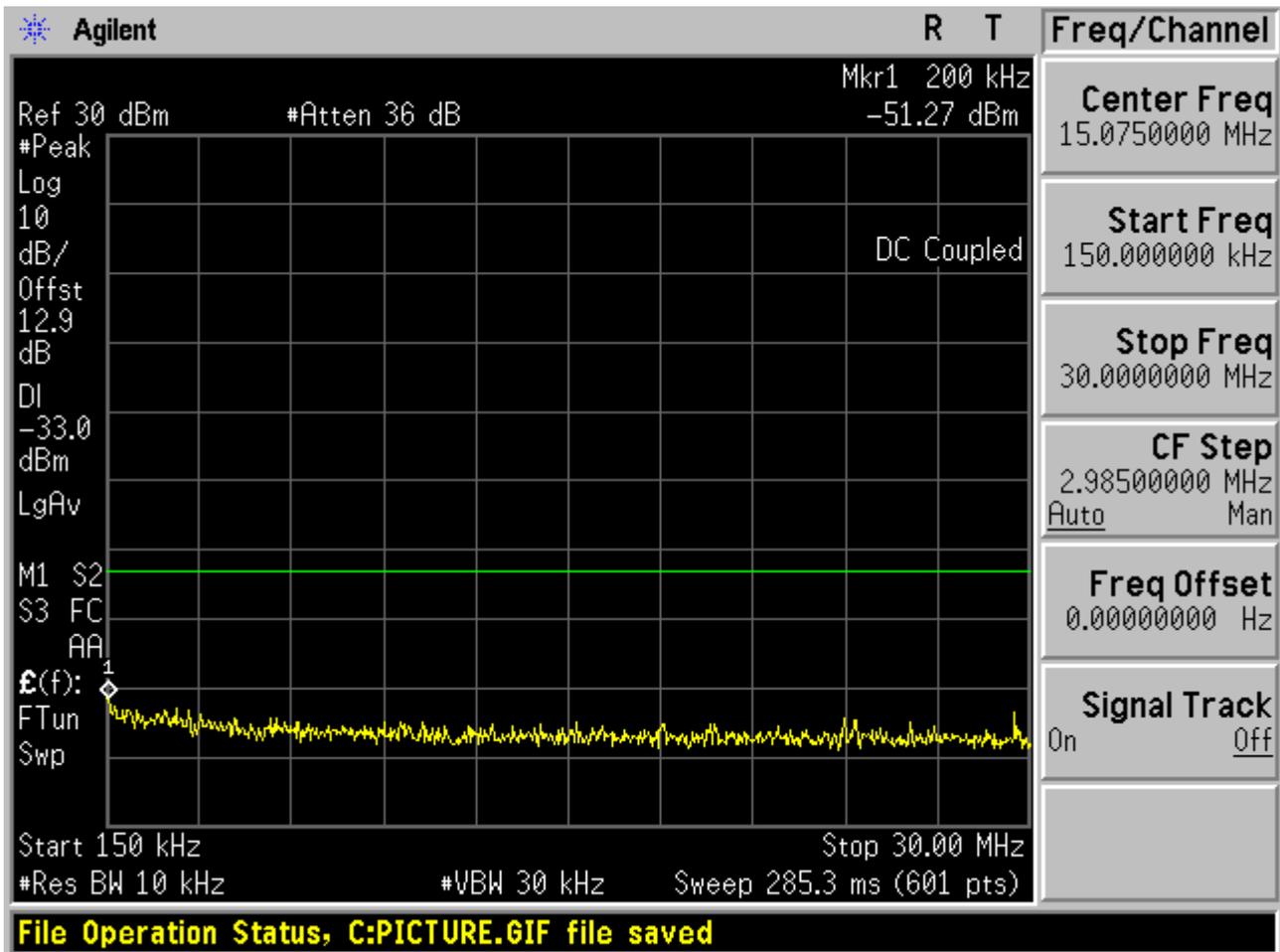


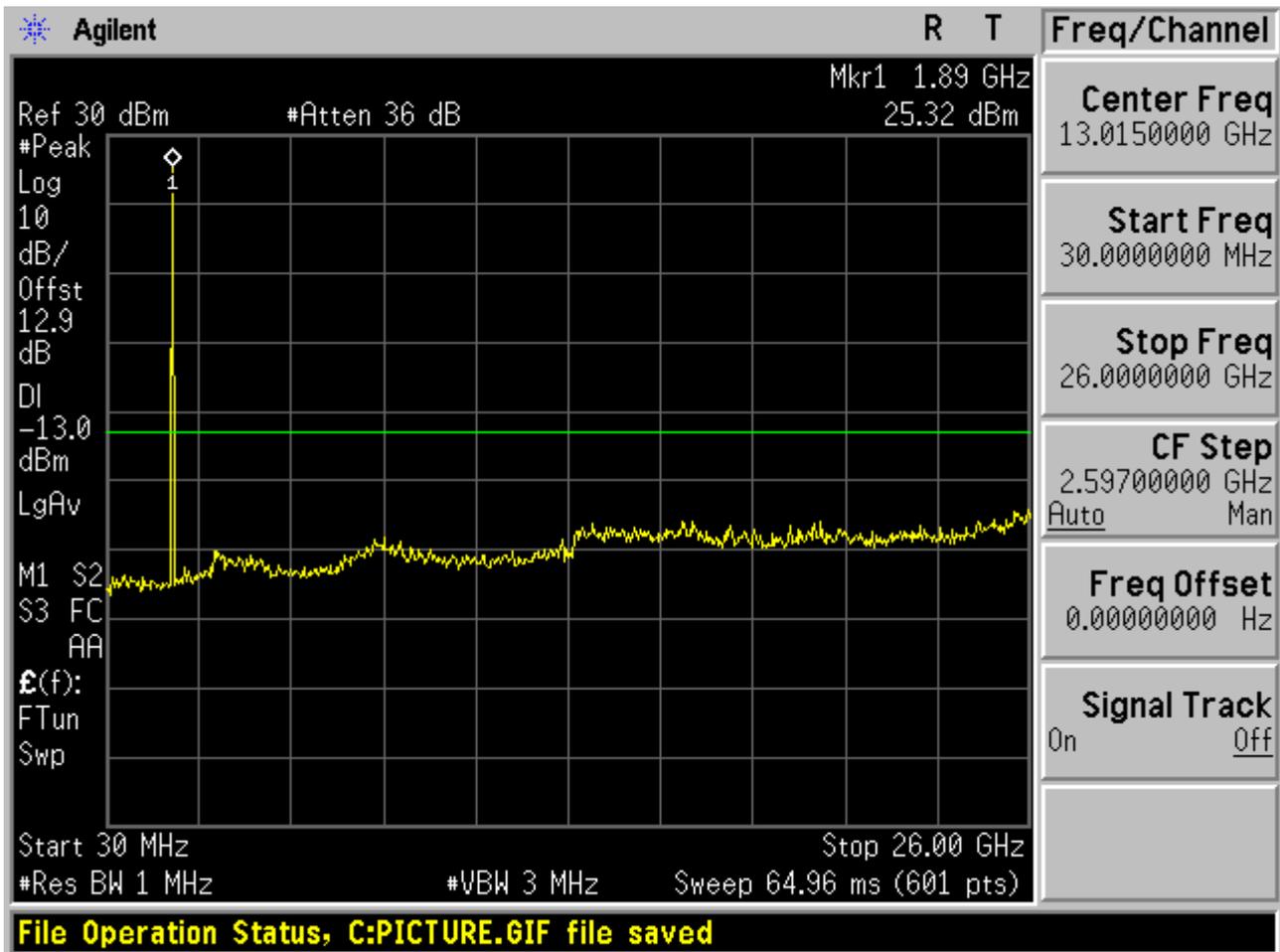


4.2.3.2 Channel = M

4.2.3.2.1 16QAM/1RBs /RB #0



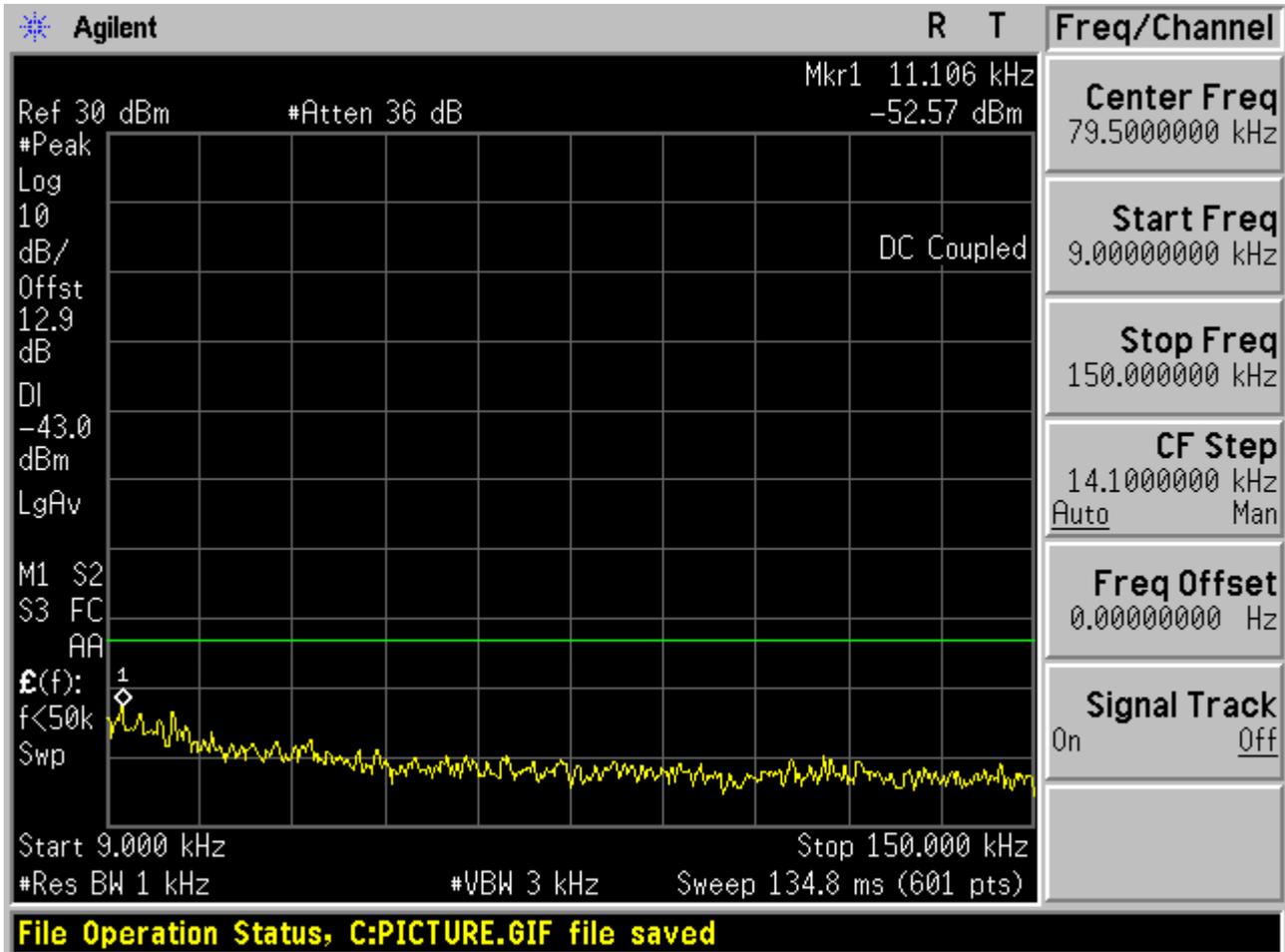


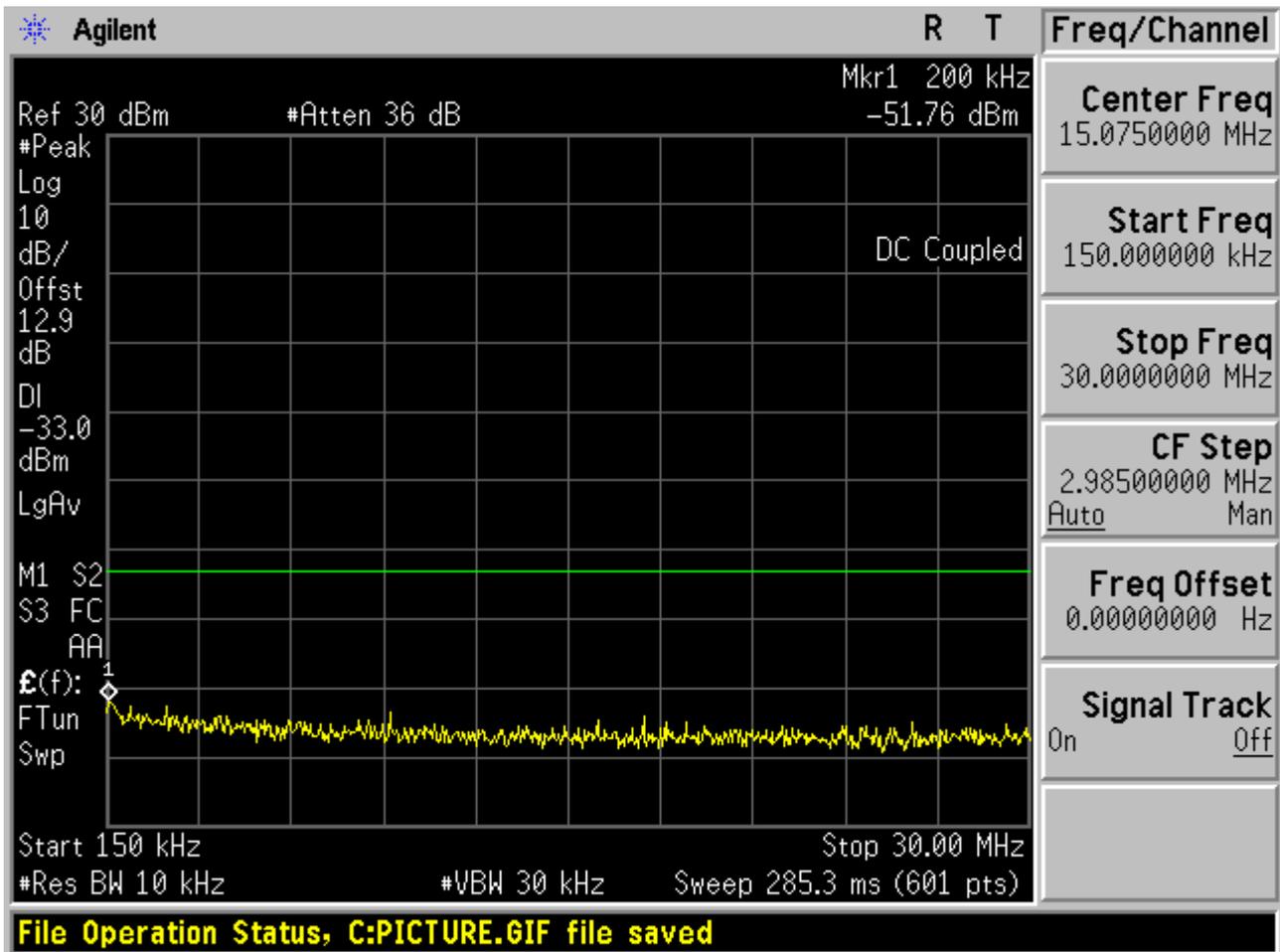


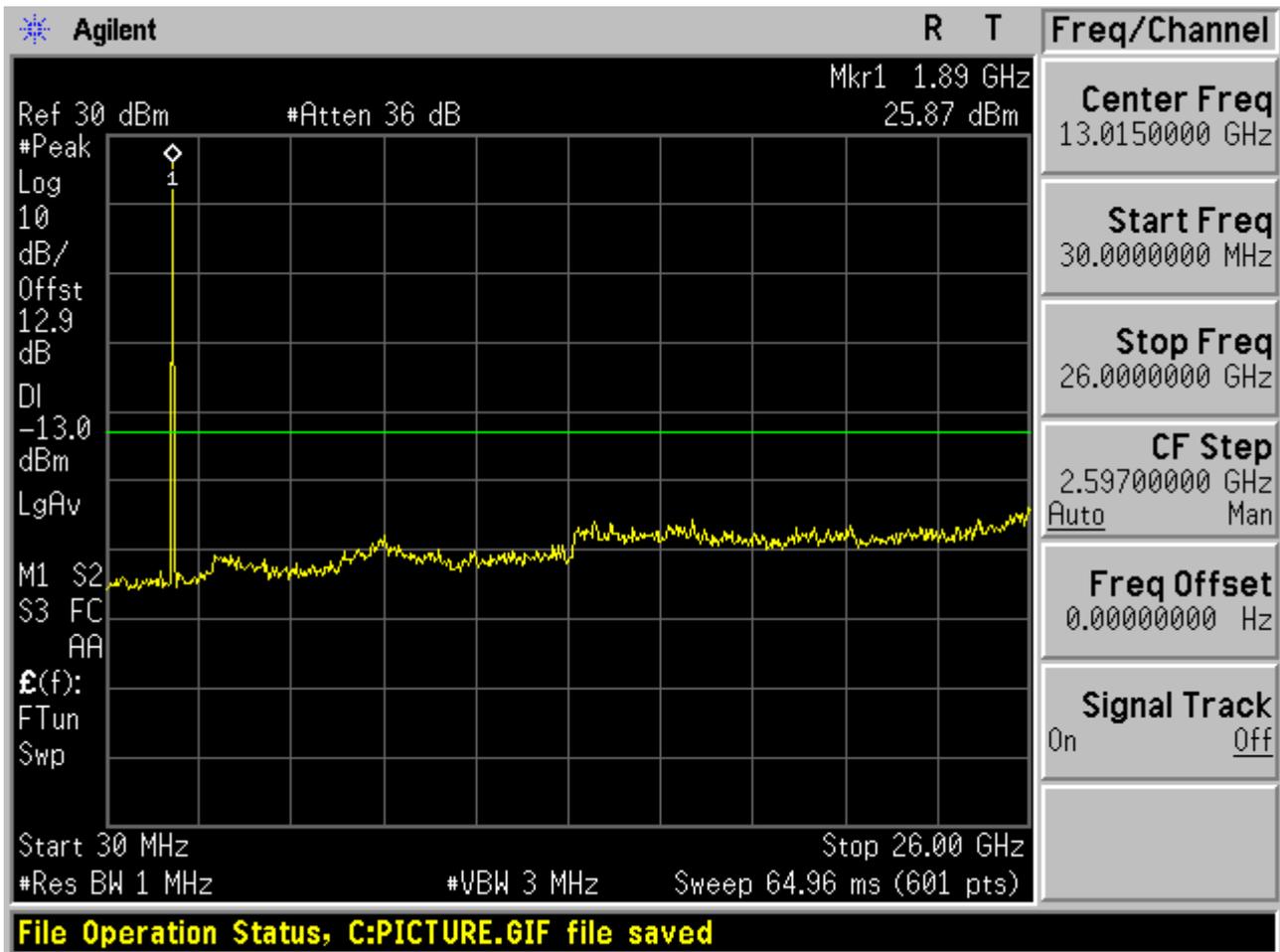


4.2.3.3 Channel = T

4.2.3.3.1 16QAM/1RBs /RB #0





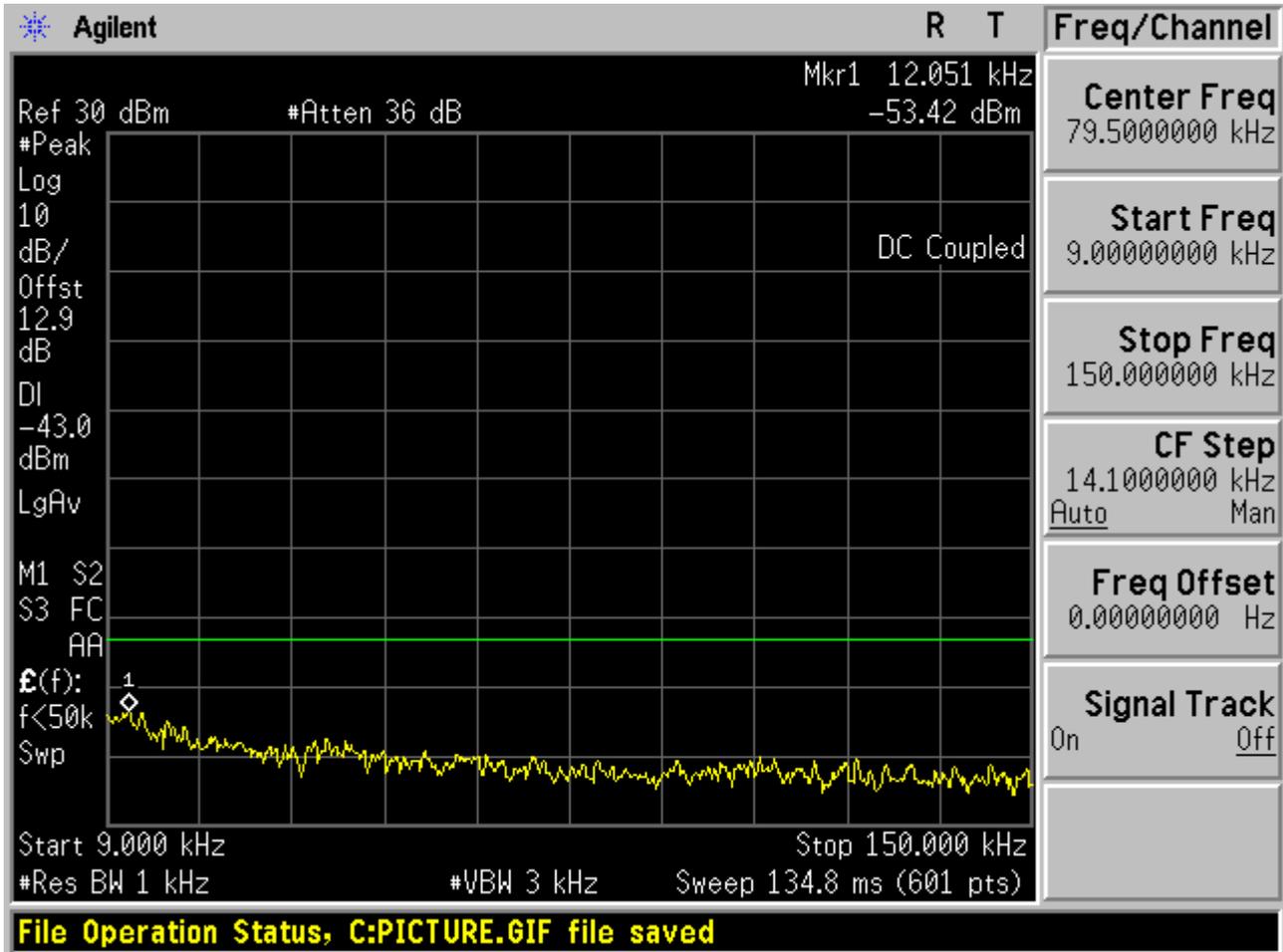


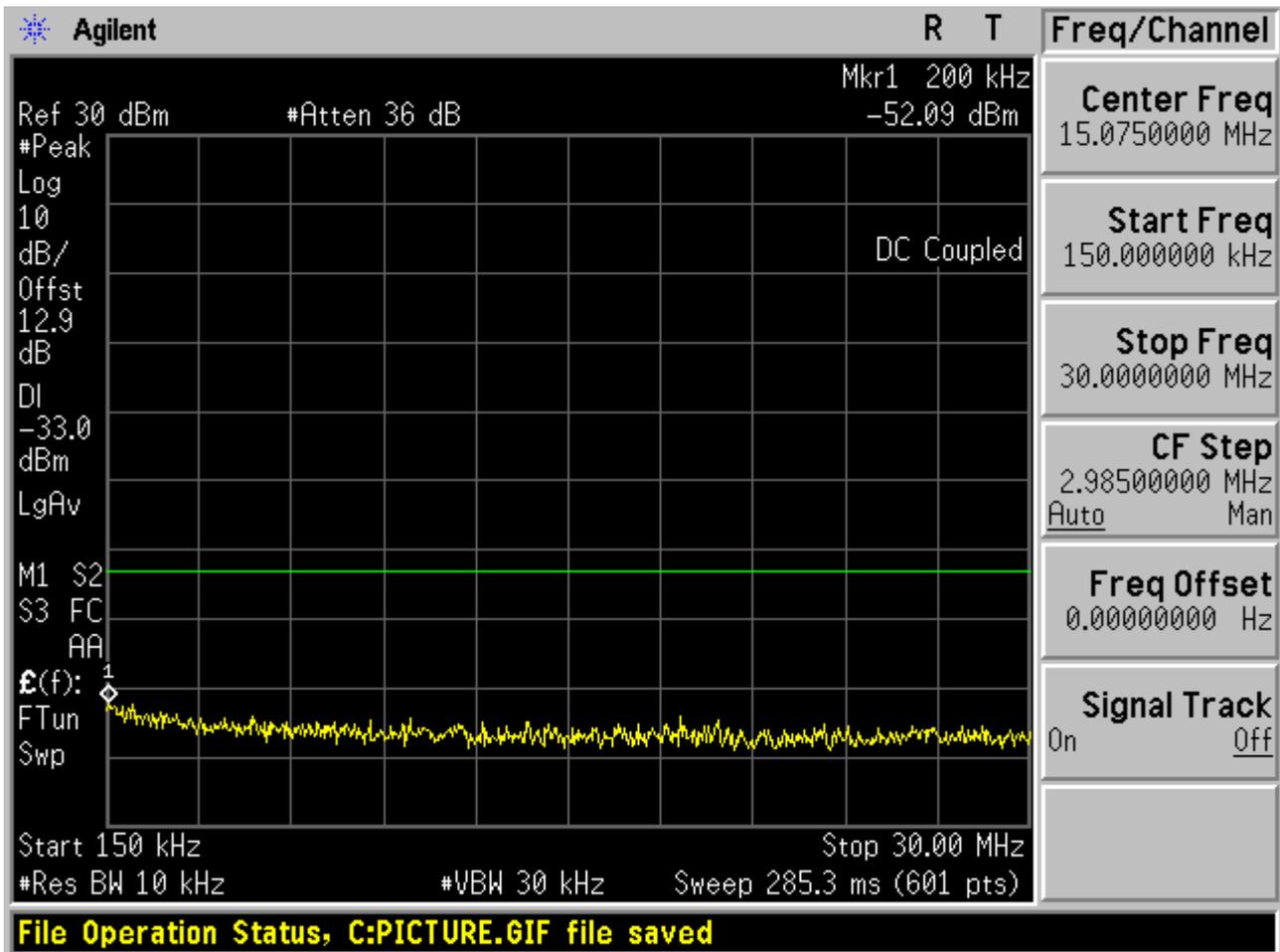


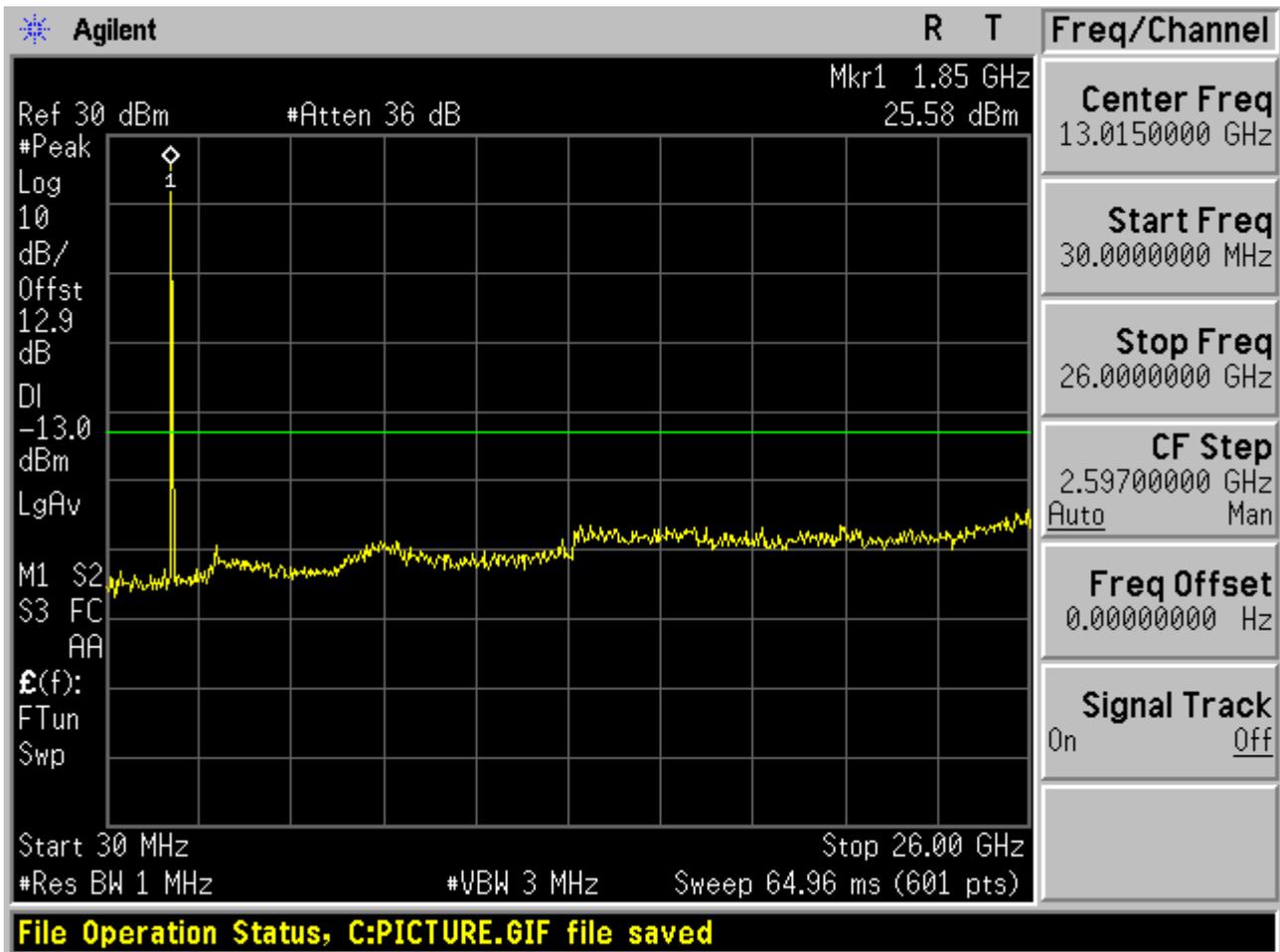
4.2.4 Channel Bandwidth = 20 MHz

4.2.4.1 Channel = B

4.2.4.1.1 16QAM/1RBs /RB #0



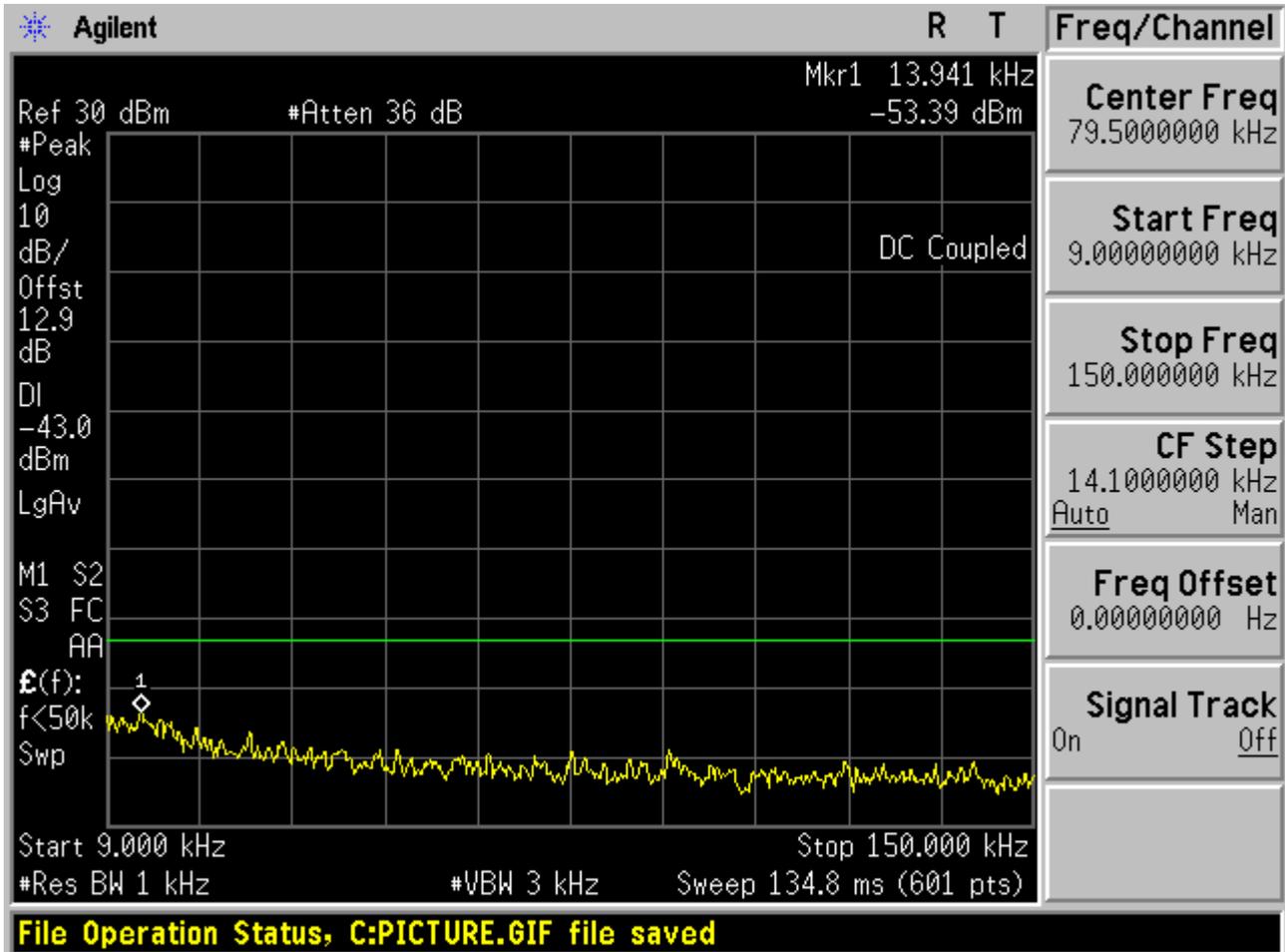


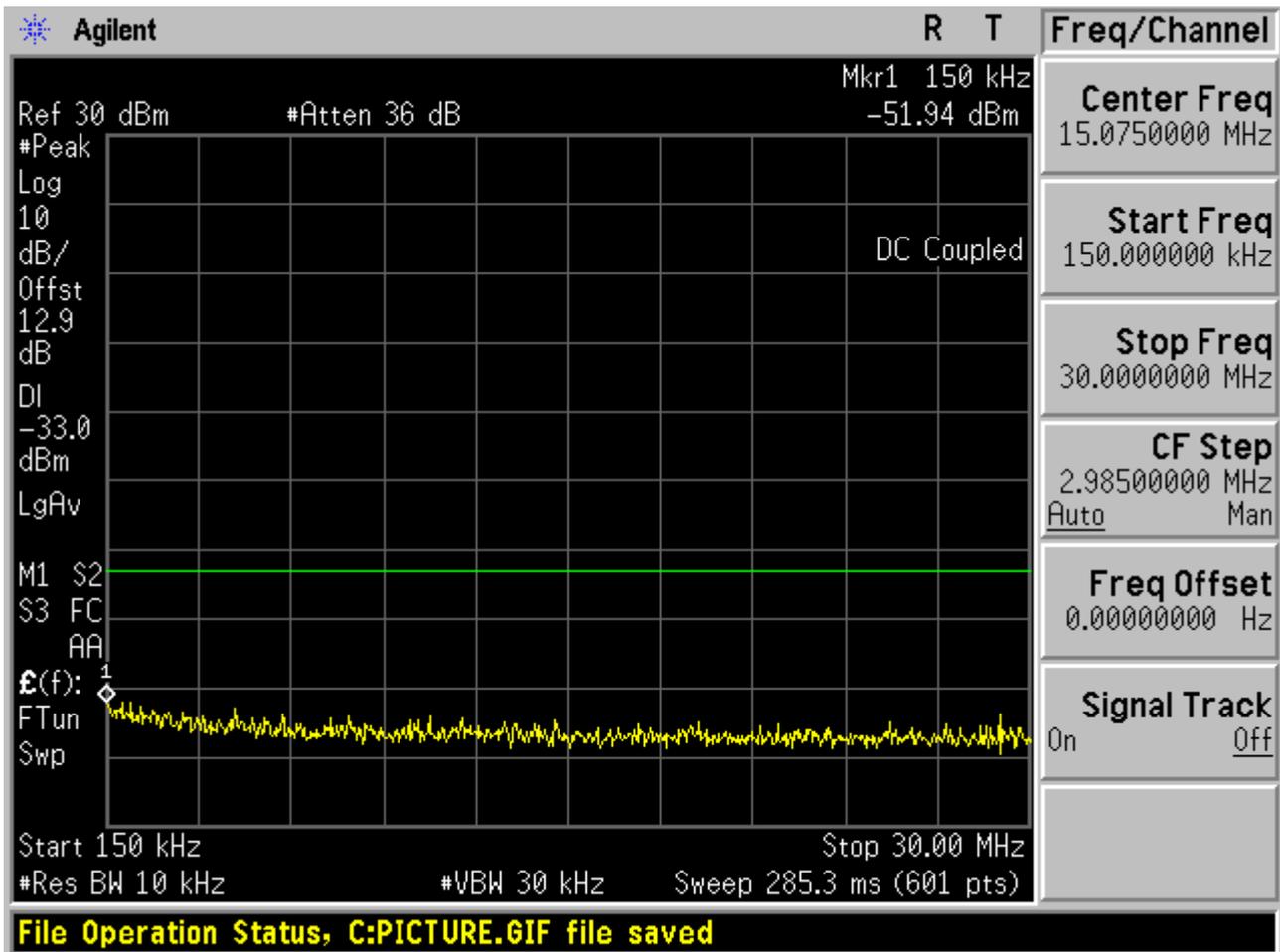


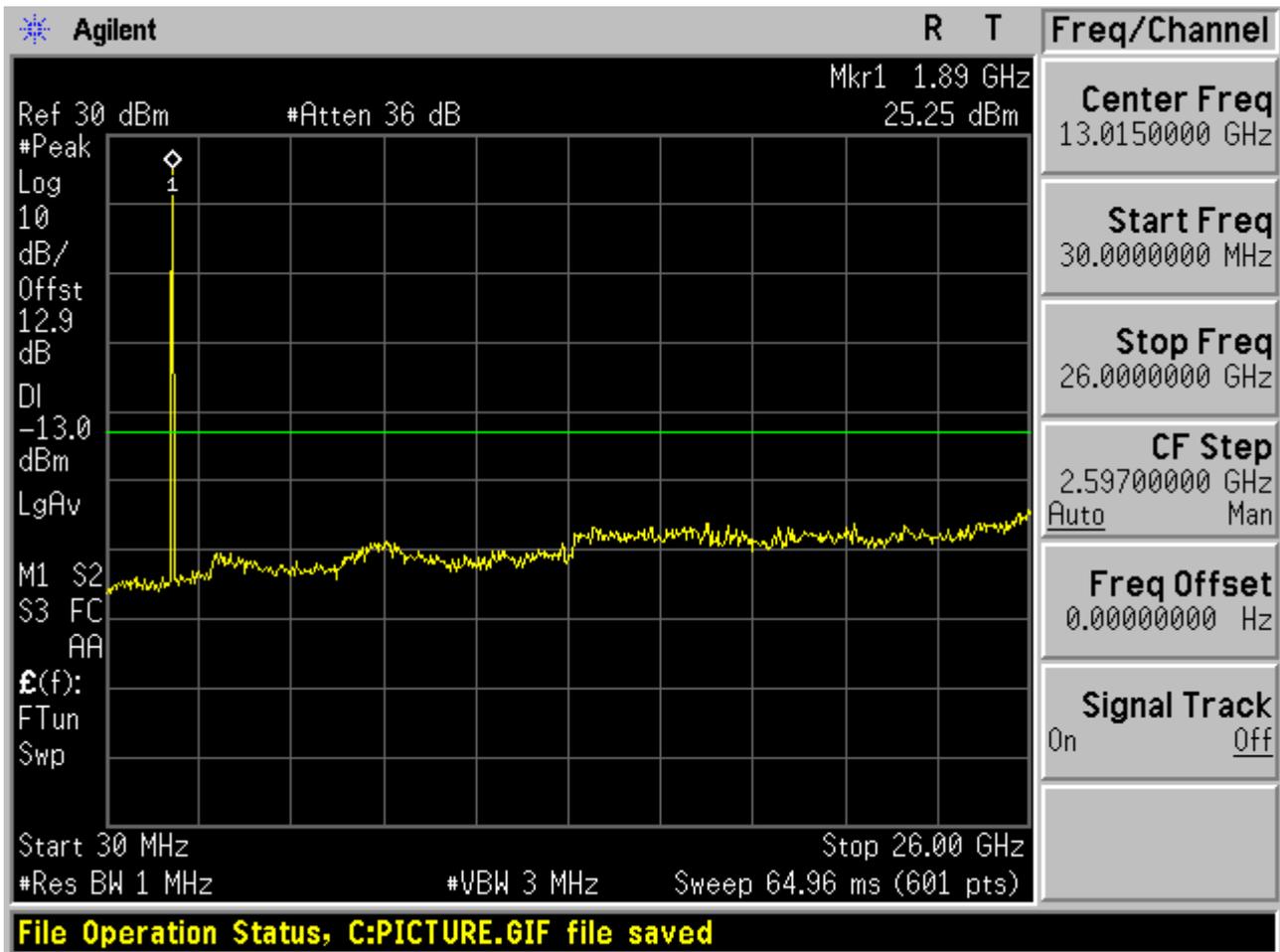


4.2.4.2 Channel = M

4.2.4.2.1 16QAM/1RBs /RB #0



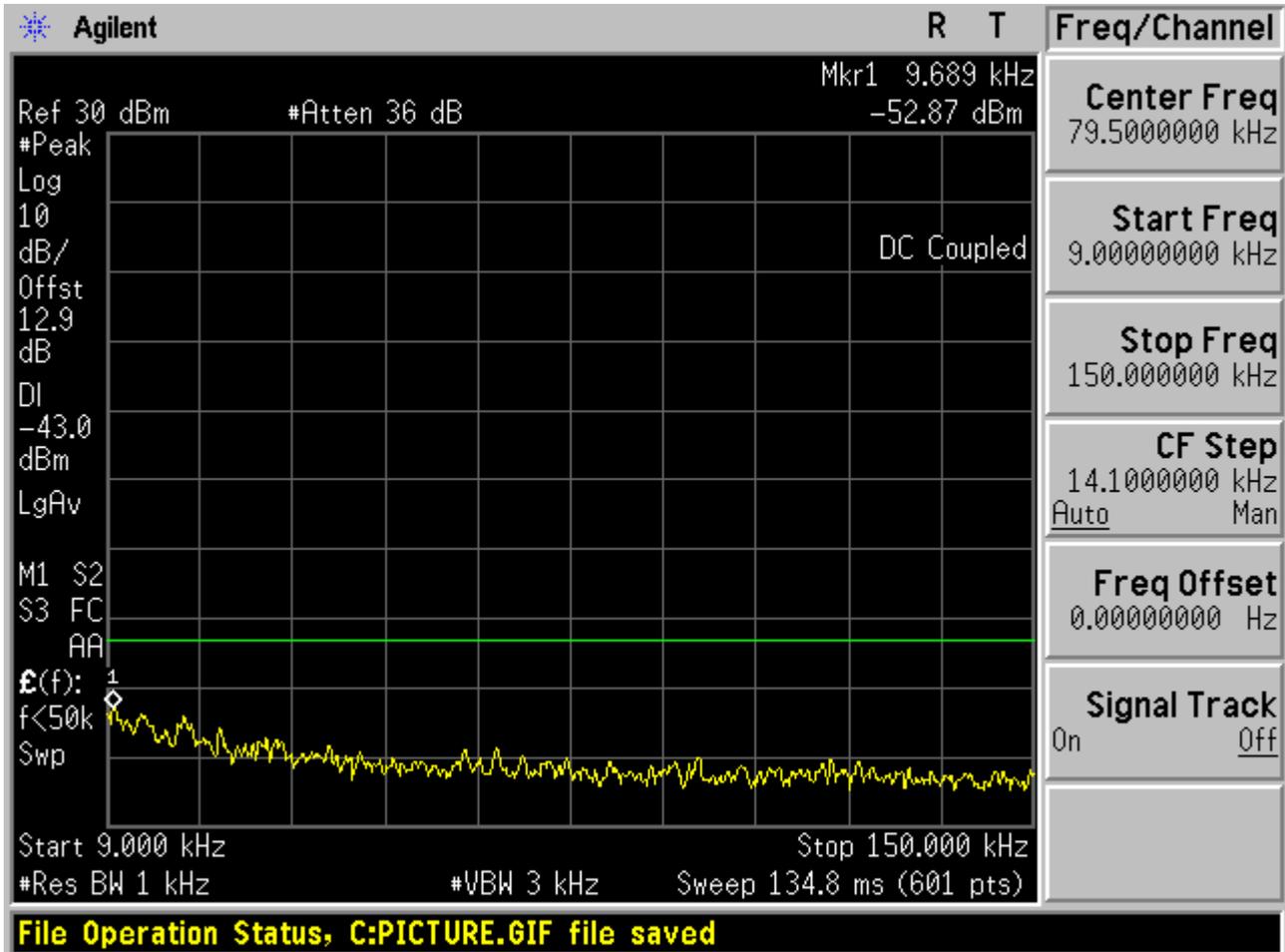


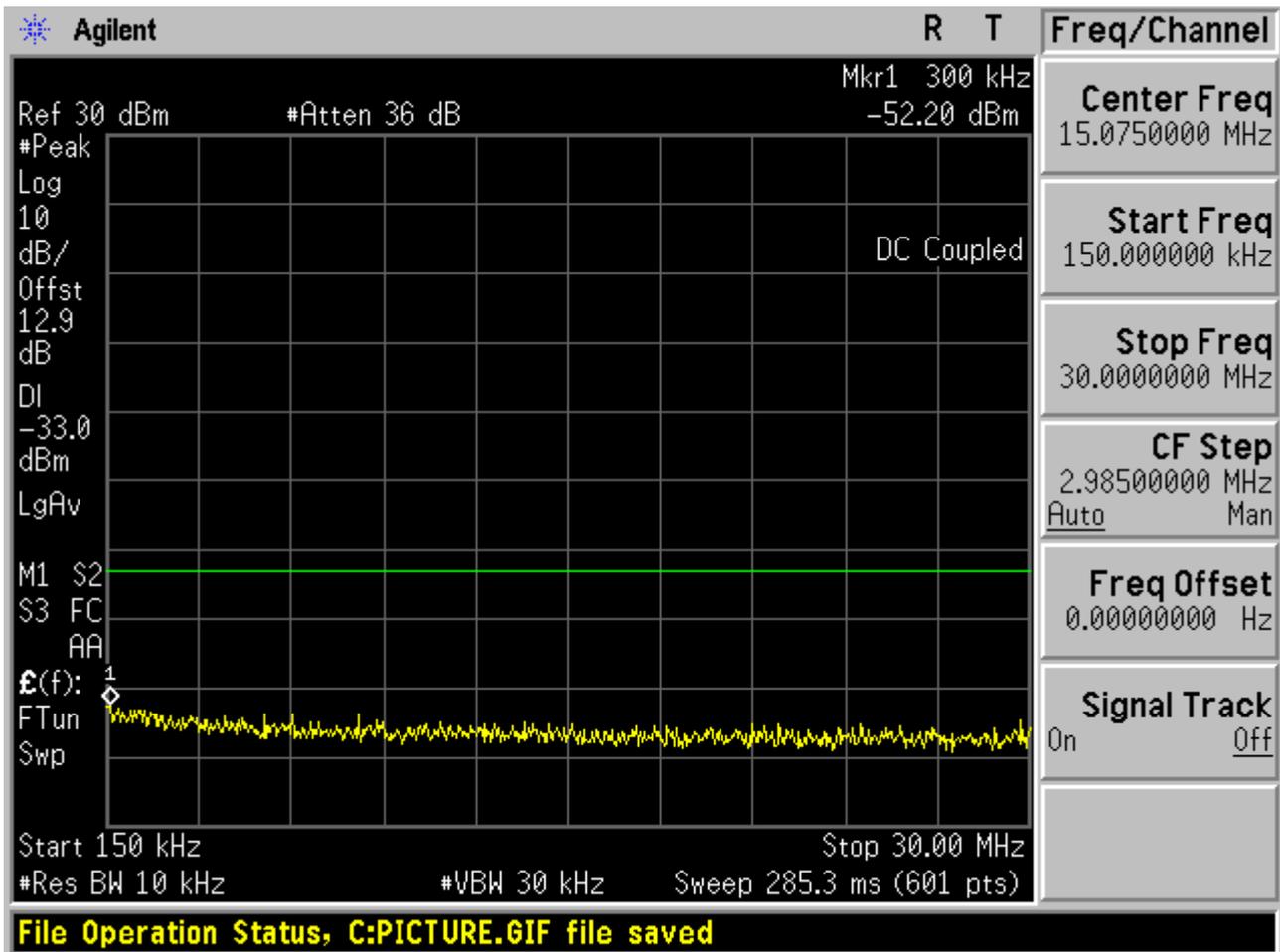


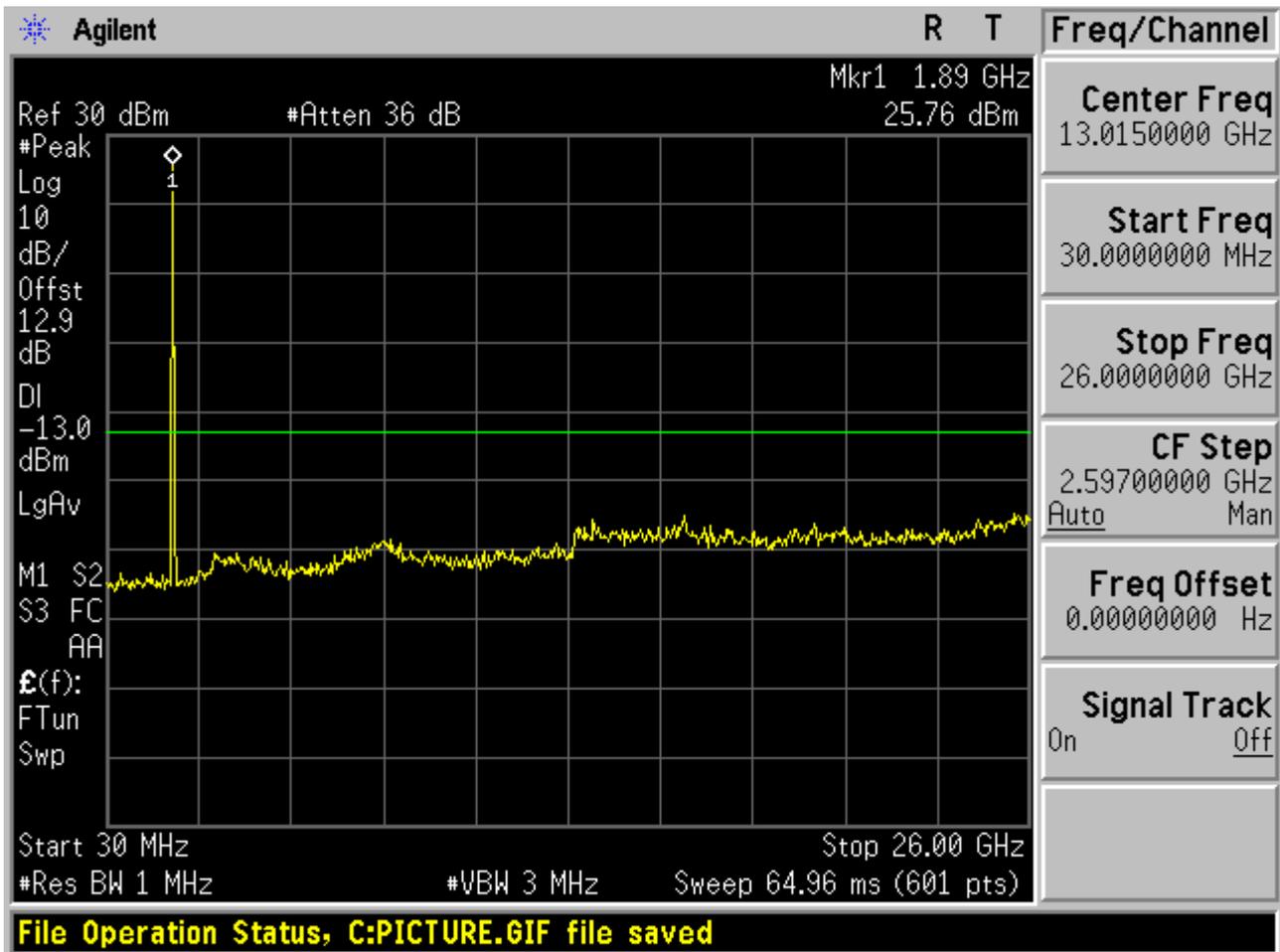


4.2.4.3 Channel = T

4.2.4.3.1 16QAM/1RBs /RB #0







-----END-----



Appendix F

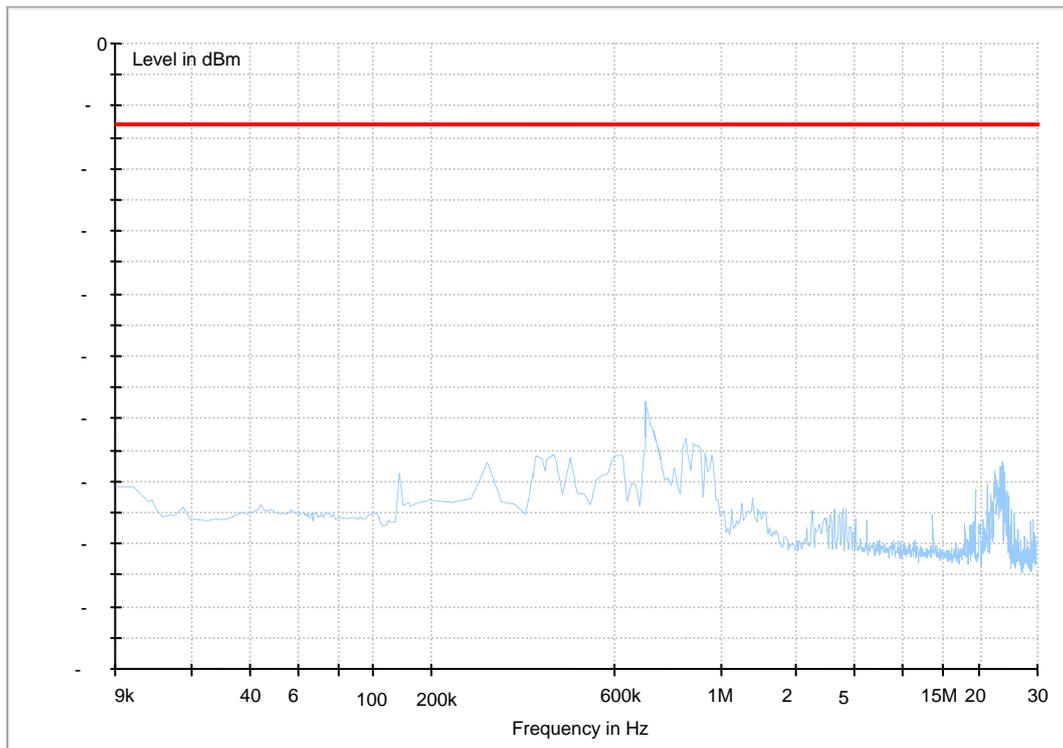
Radiated spurious emission

According to FCC Part 2.1053& Part 24.238

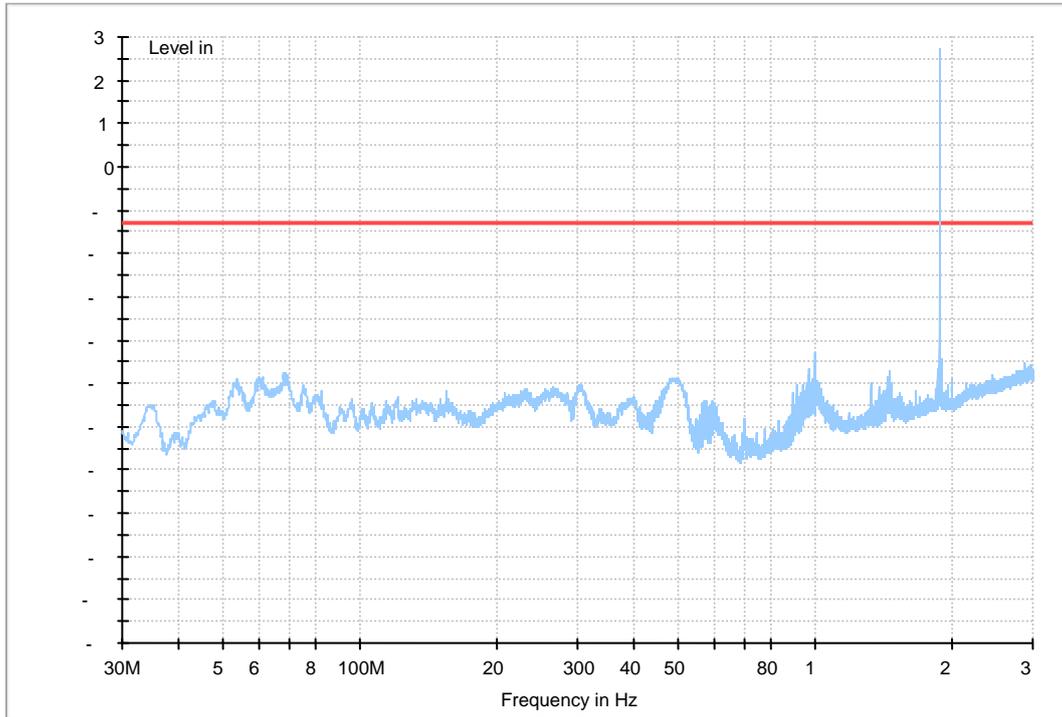
Note: 1. Simultaneous transmission was investigated and no new emissions were found.
2. RBW \geq 1MHz, VBW $>$ 3 x RBW

GPRS 1900

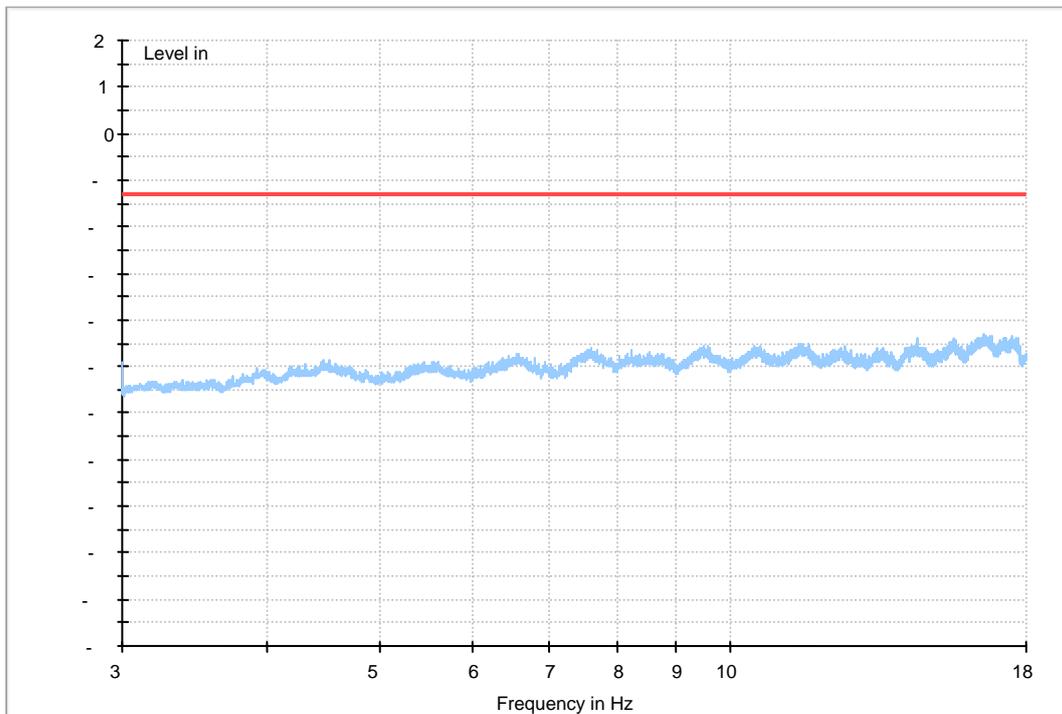
Traffic Mode (9kHz-30MHz)



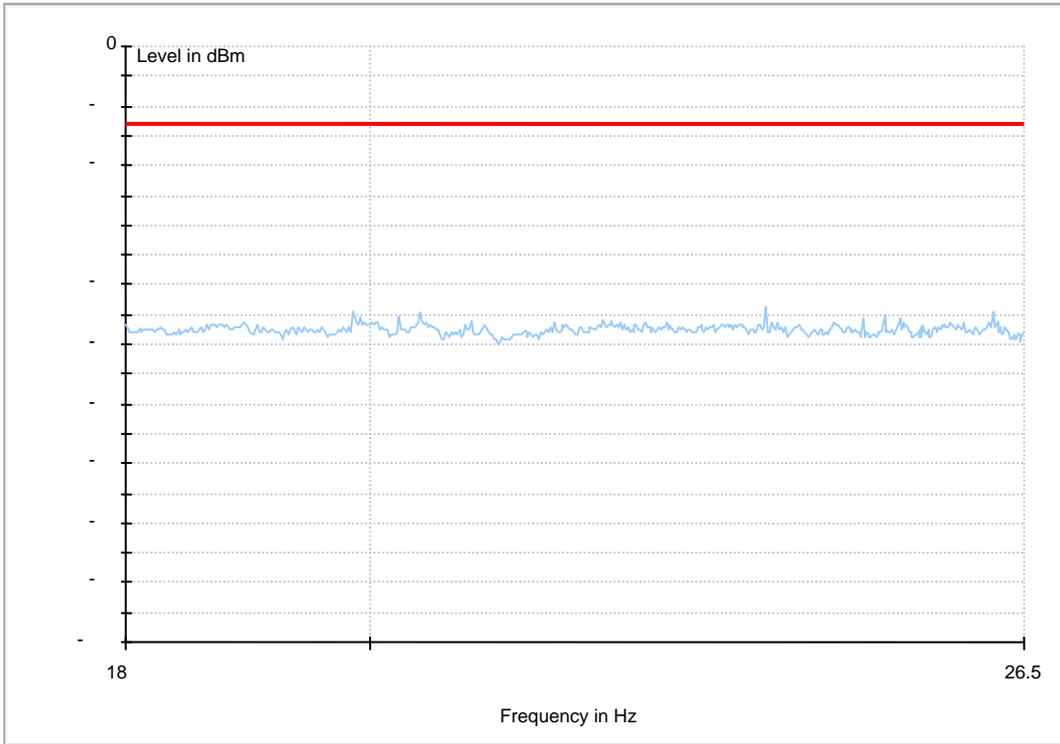
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

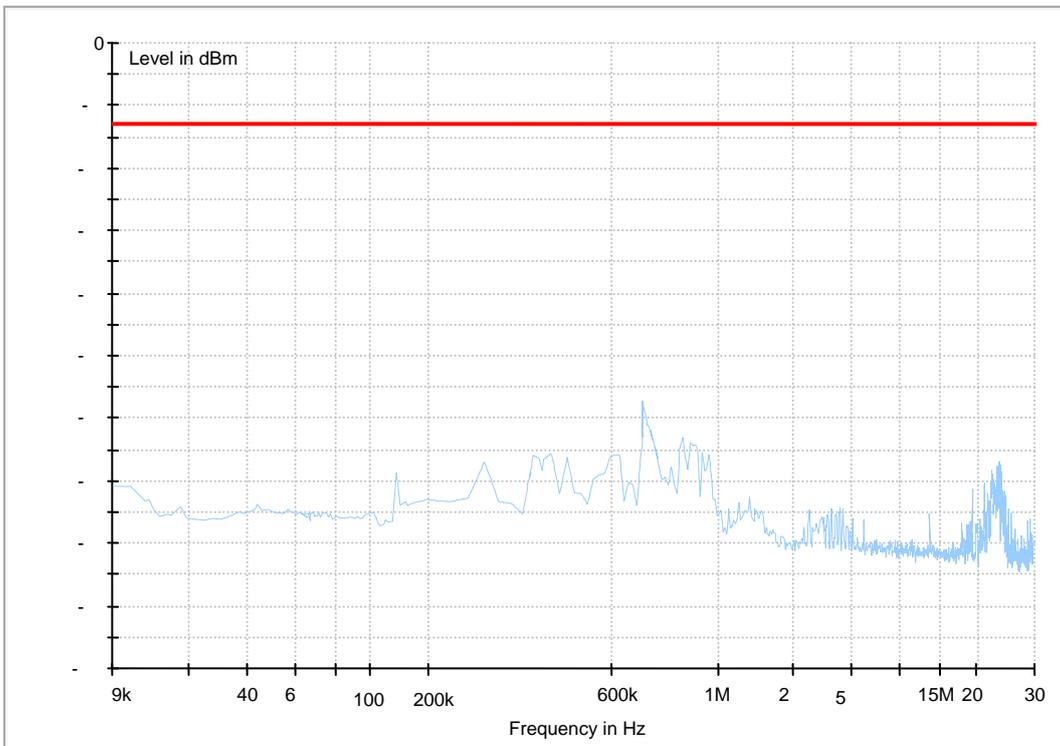


Traffic Mode (18GHz-26.5GHz)

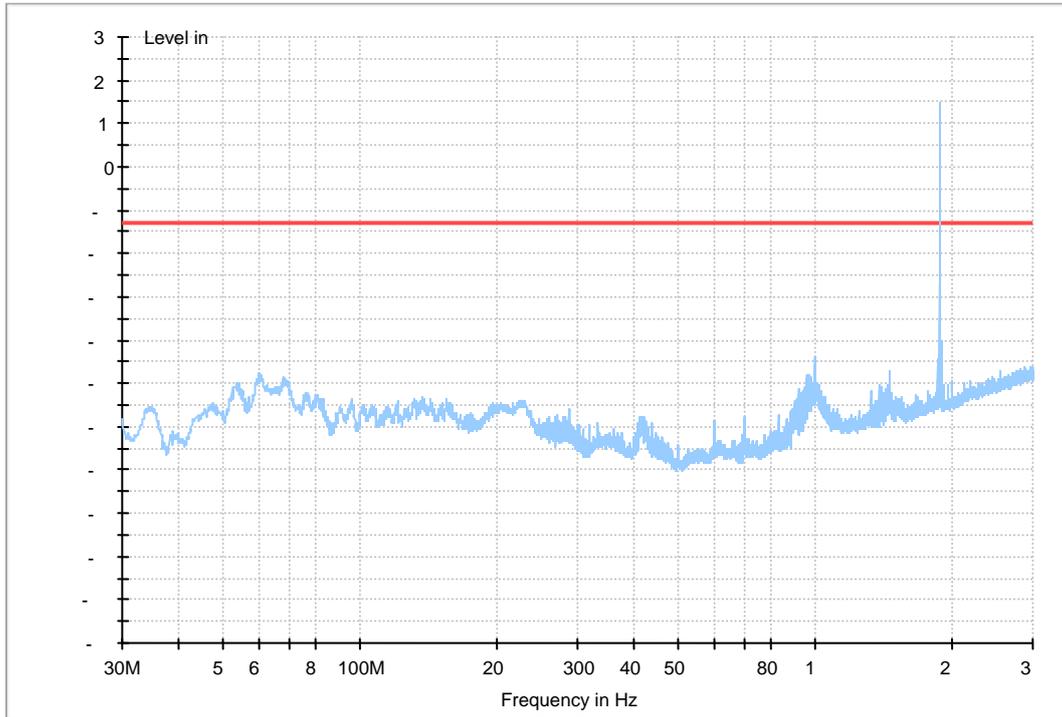


EDGE 1900

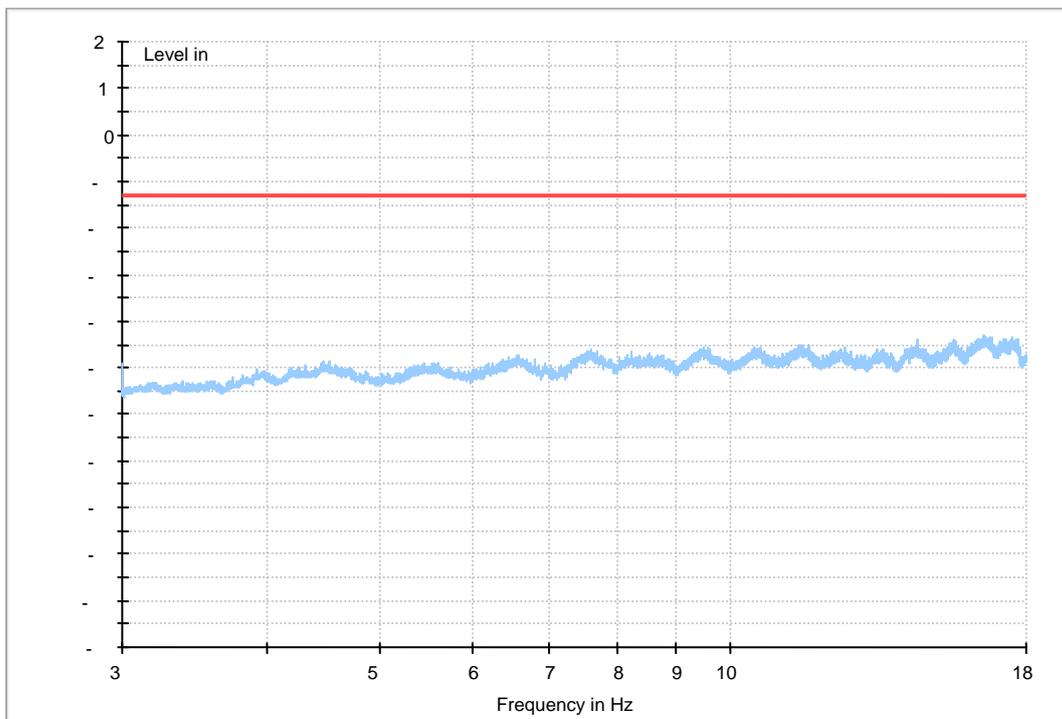
Traffic Mode (9kHz-30MHz)



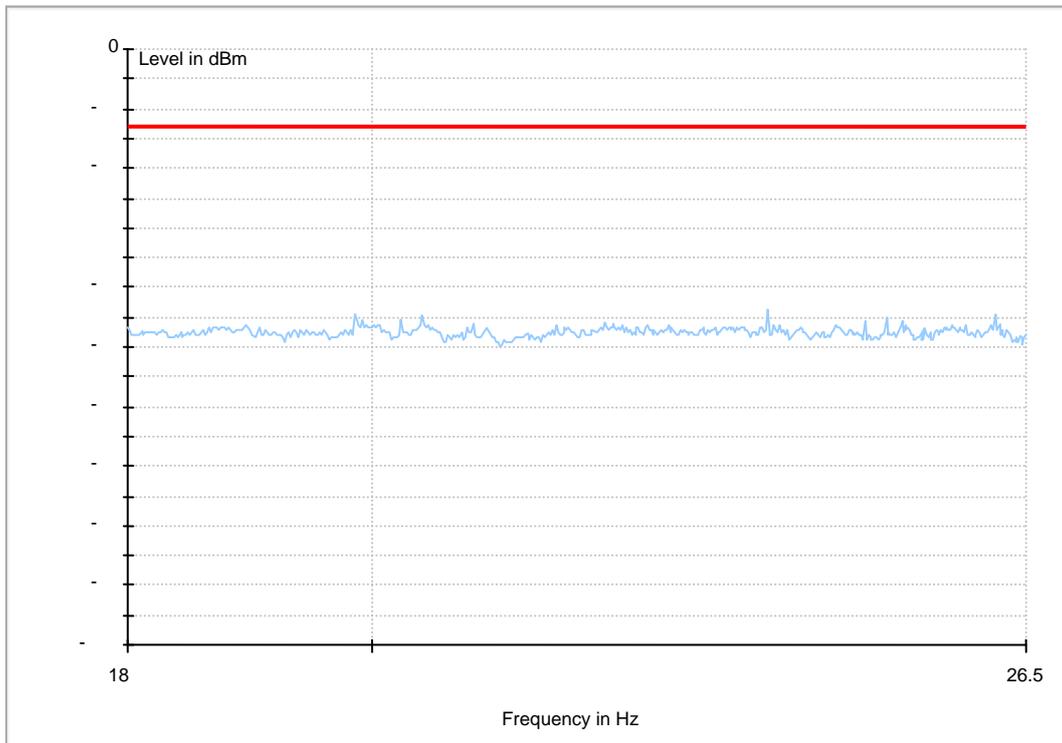
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

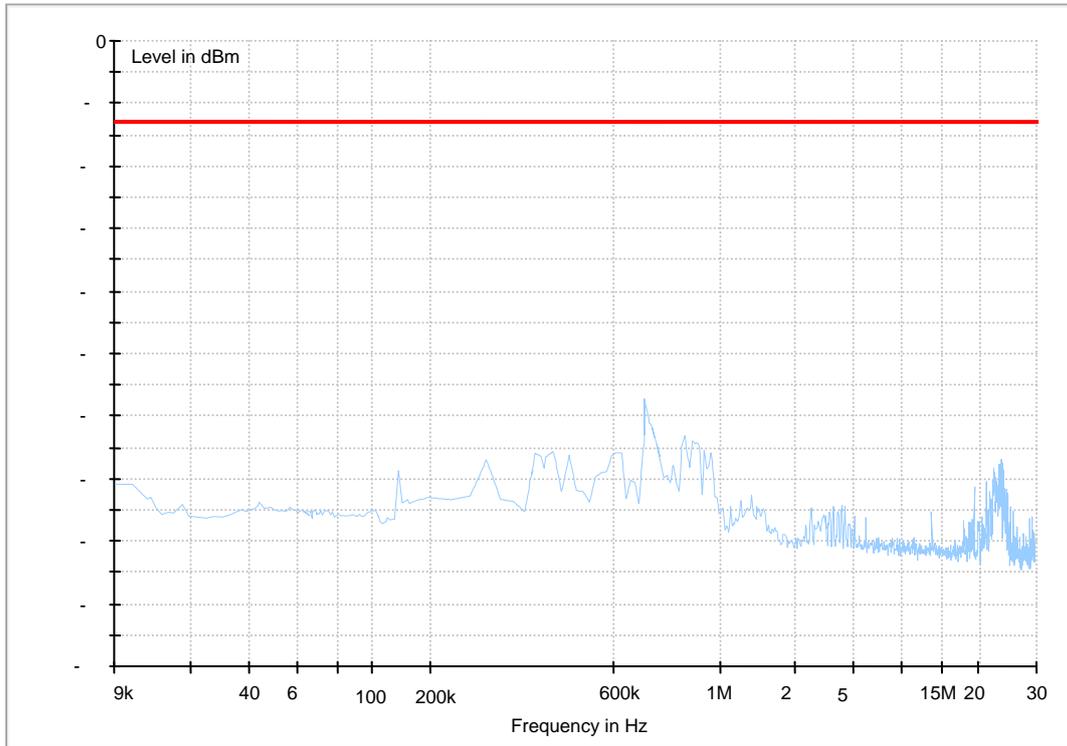


Traffic Mode (18GHz-26.5GHz)

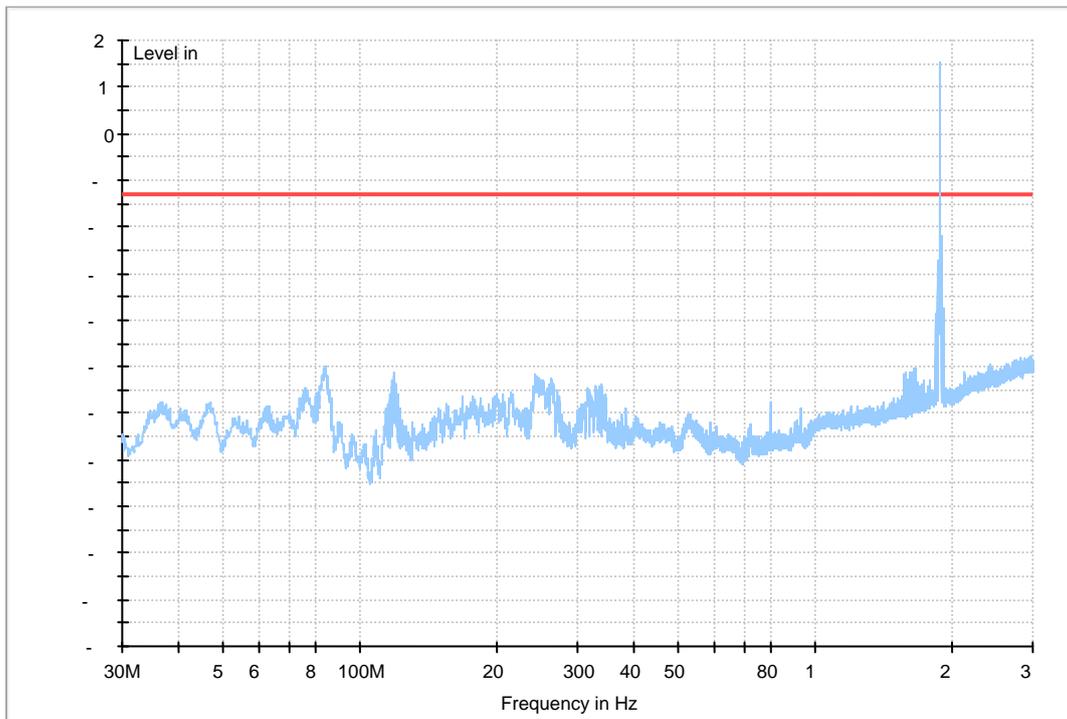


WCDMA Band II

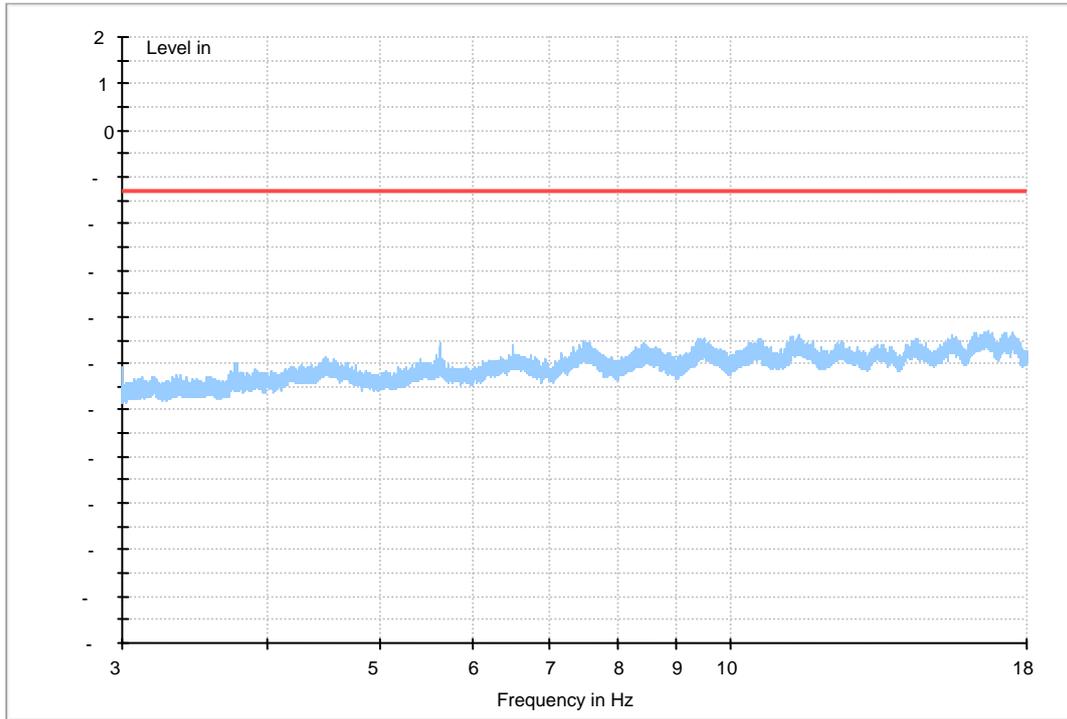
Traffic Mode (9kHz-30MHz)



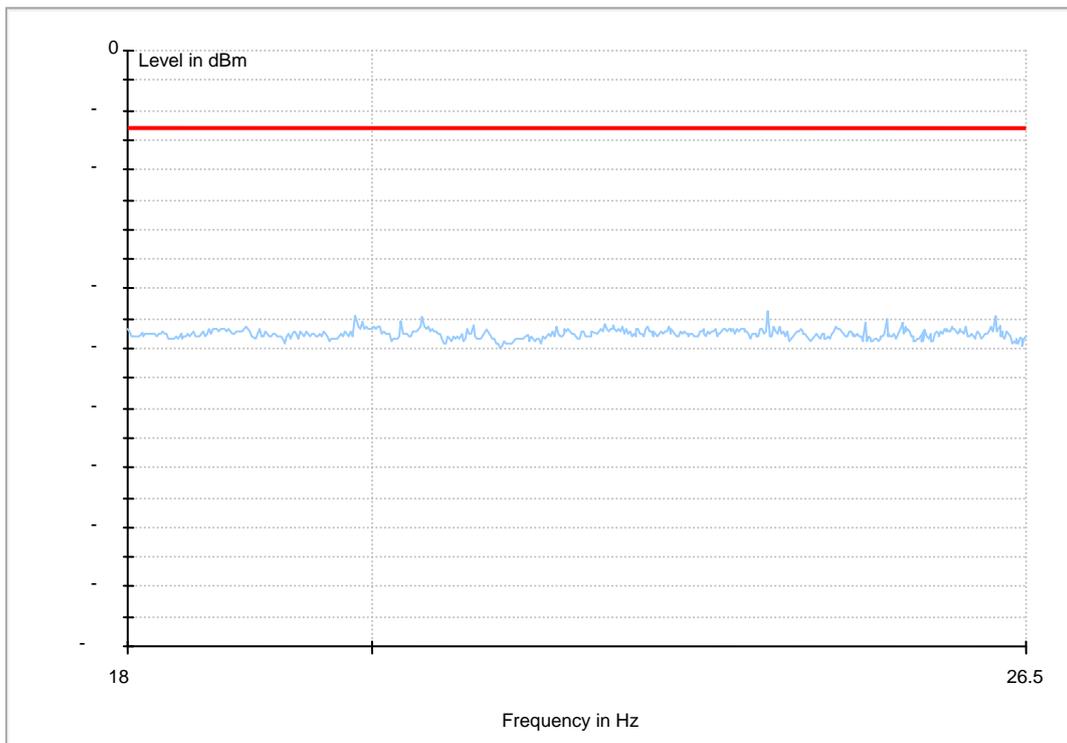
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

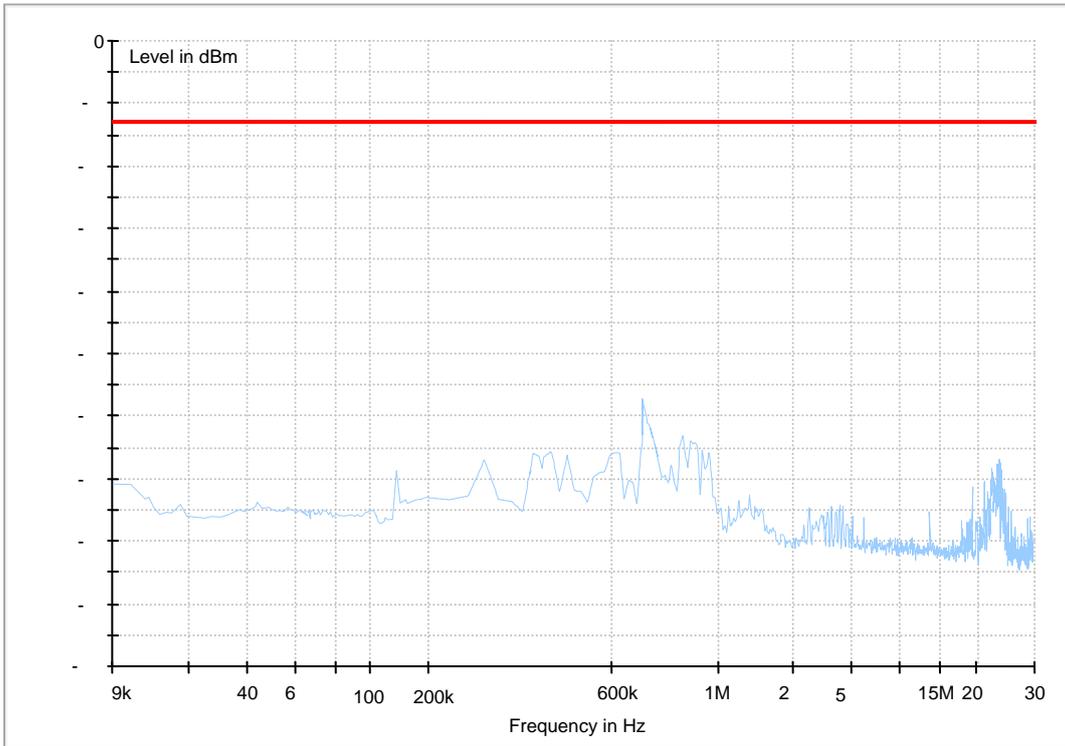


Traffic Mode (18GHz-26.5GHz)

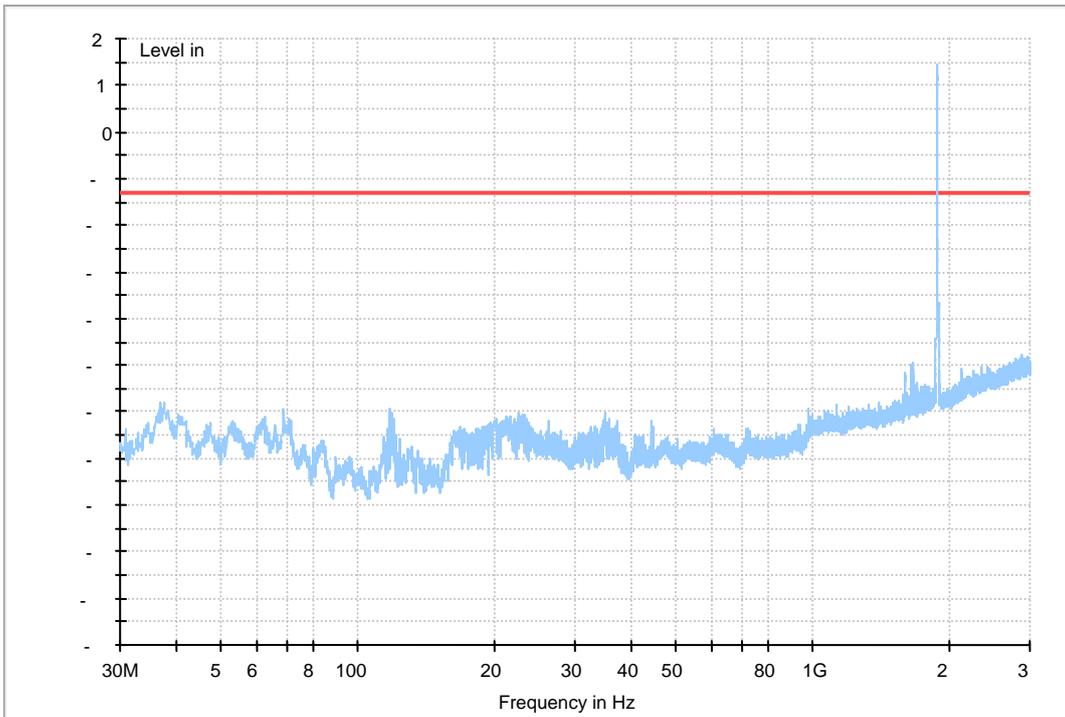


HSDPA Band II

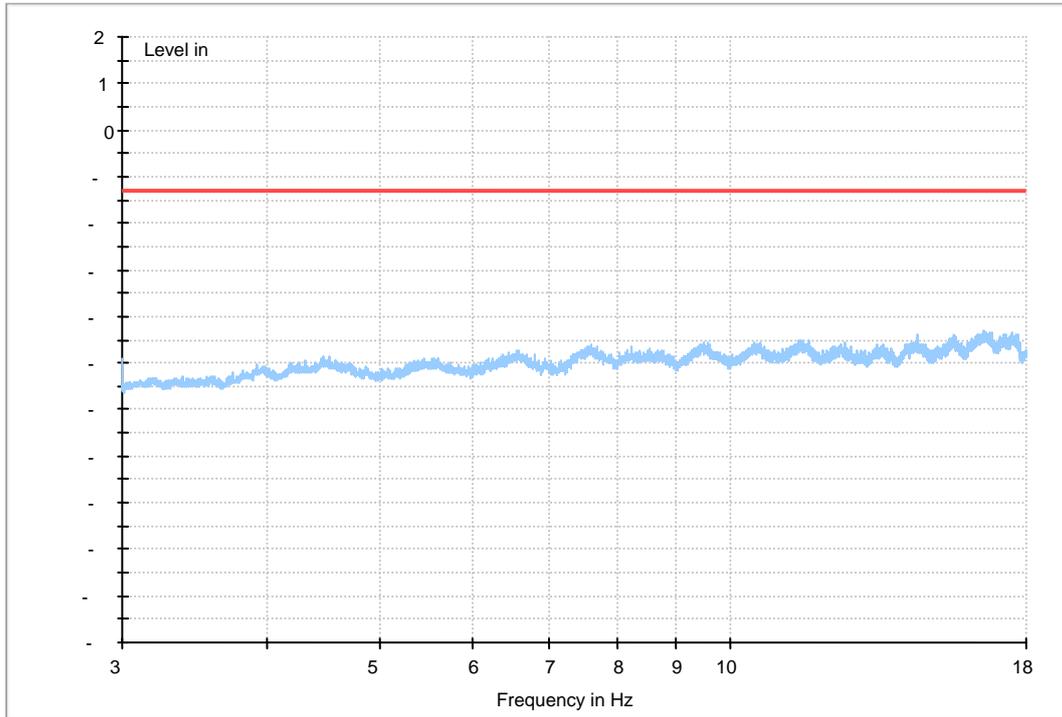
Traffic Mode (9kHz-30MHz)



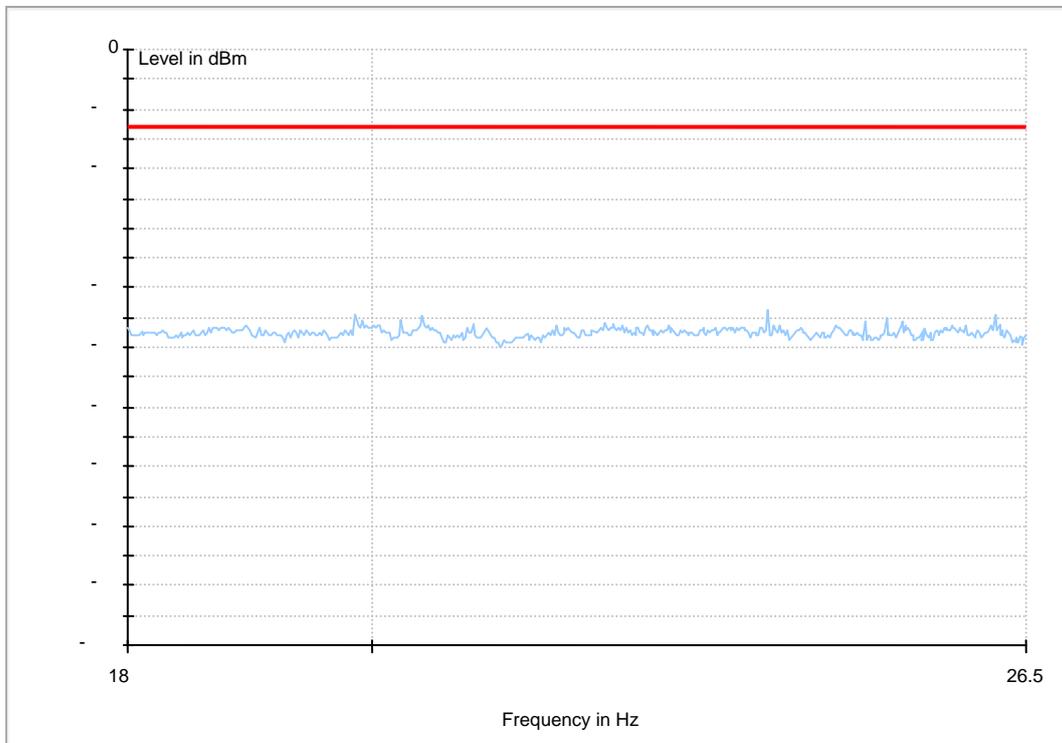
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

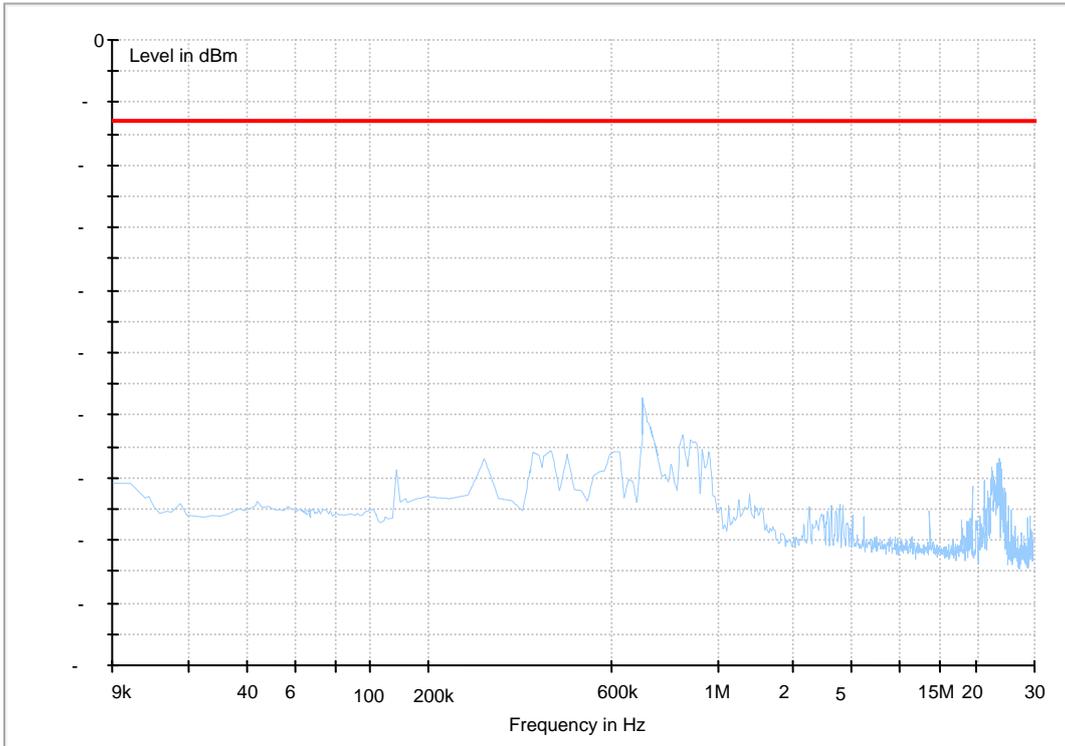


Traffic Mode (18GHz-26.5GHz)

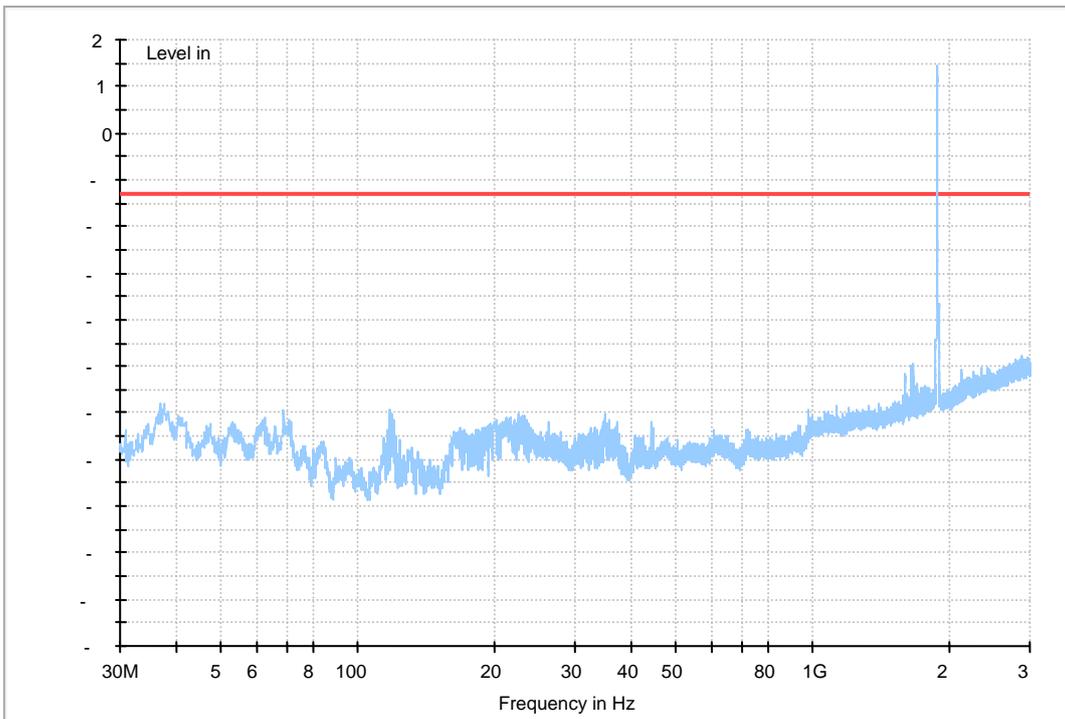


HSUPA Band II

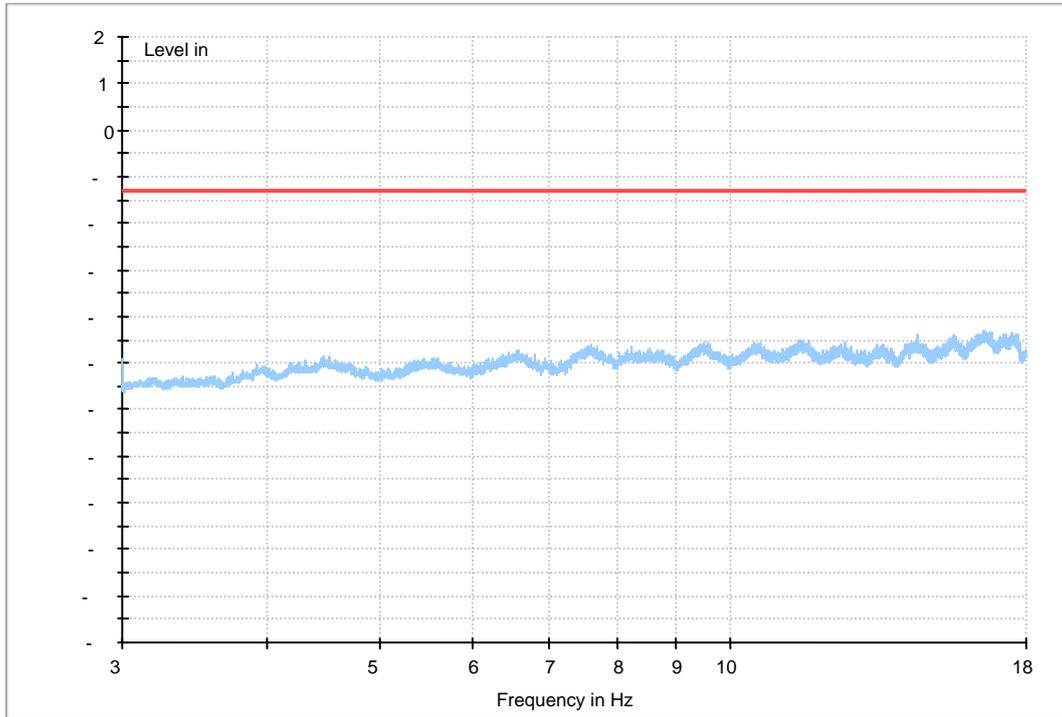
Traffic Mode (9kHz-30MHz)



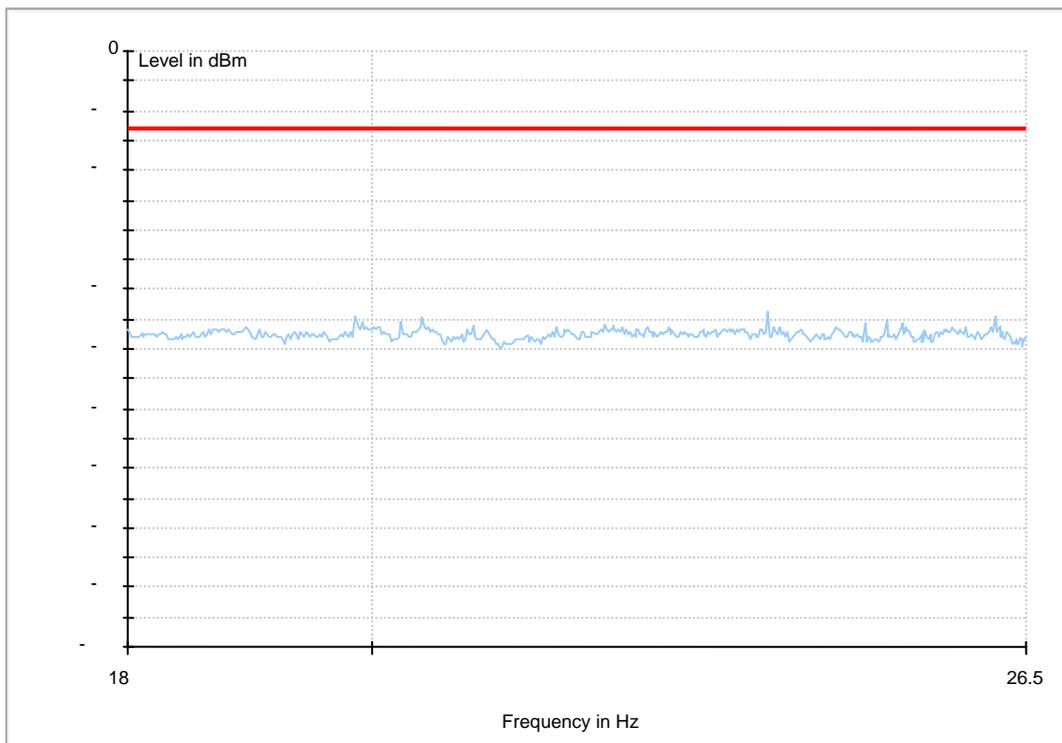
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

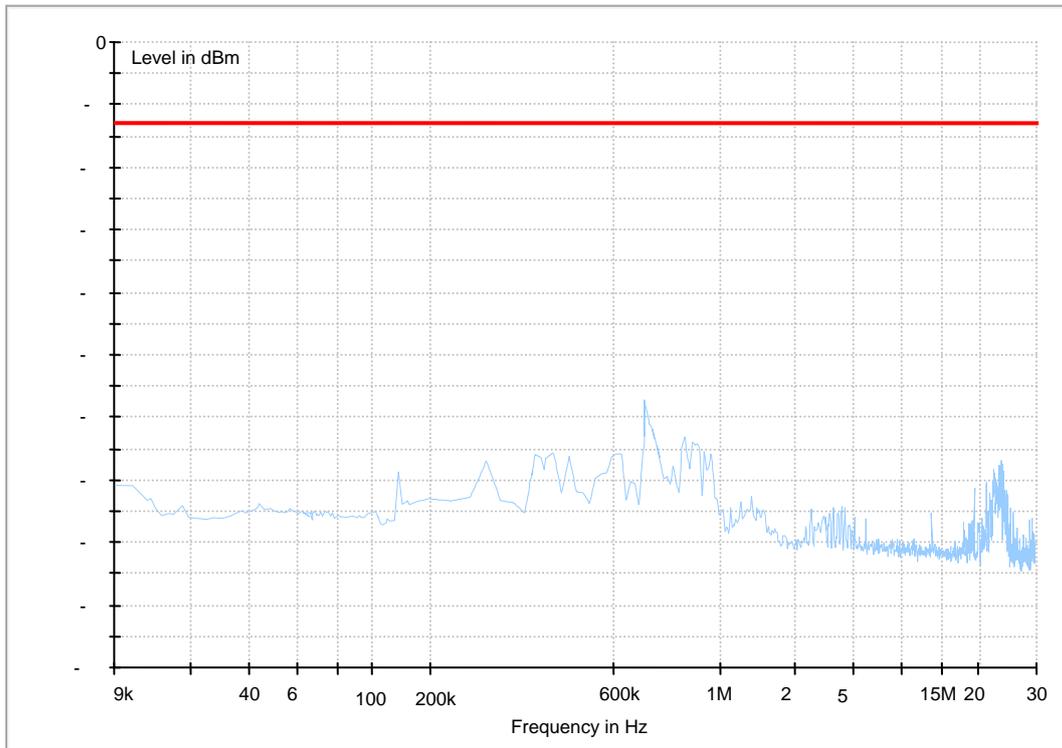


Traffic Mode (18GHz-26.5GHz)

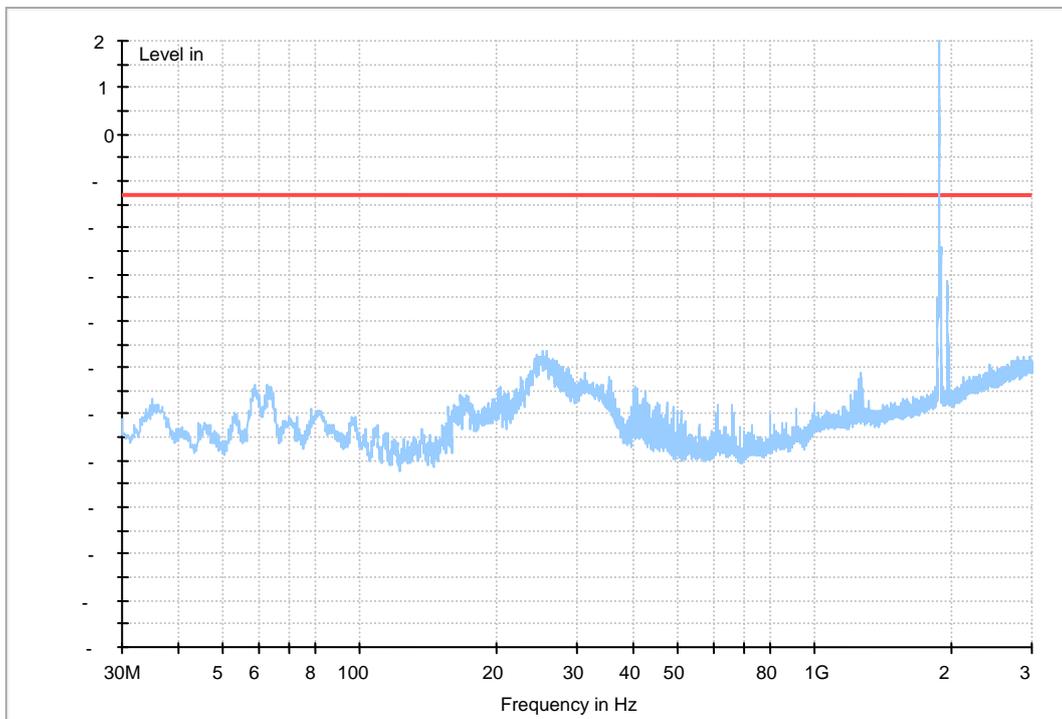


LTE Band II (BW=5MHz)

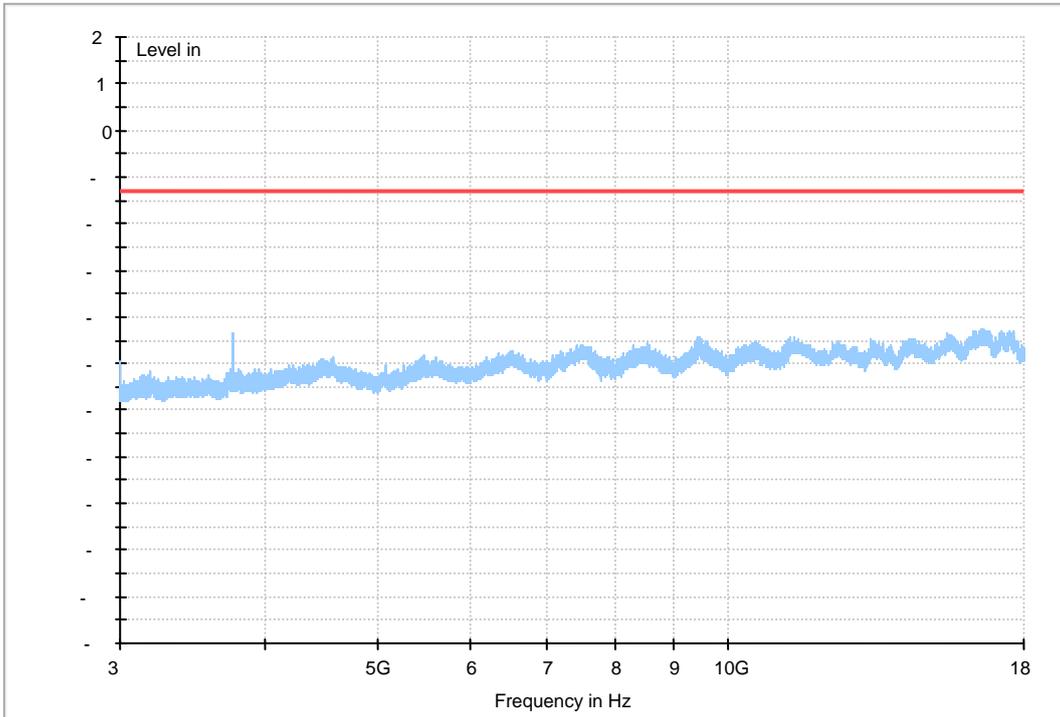
Traffic Mode (9kHz-30MHz)



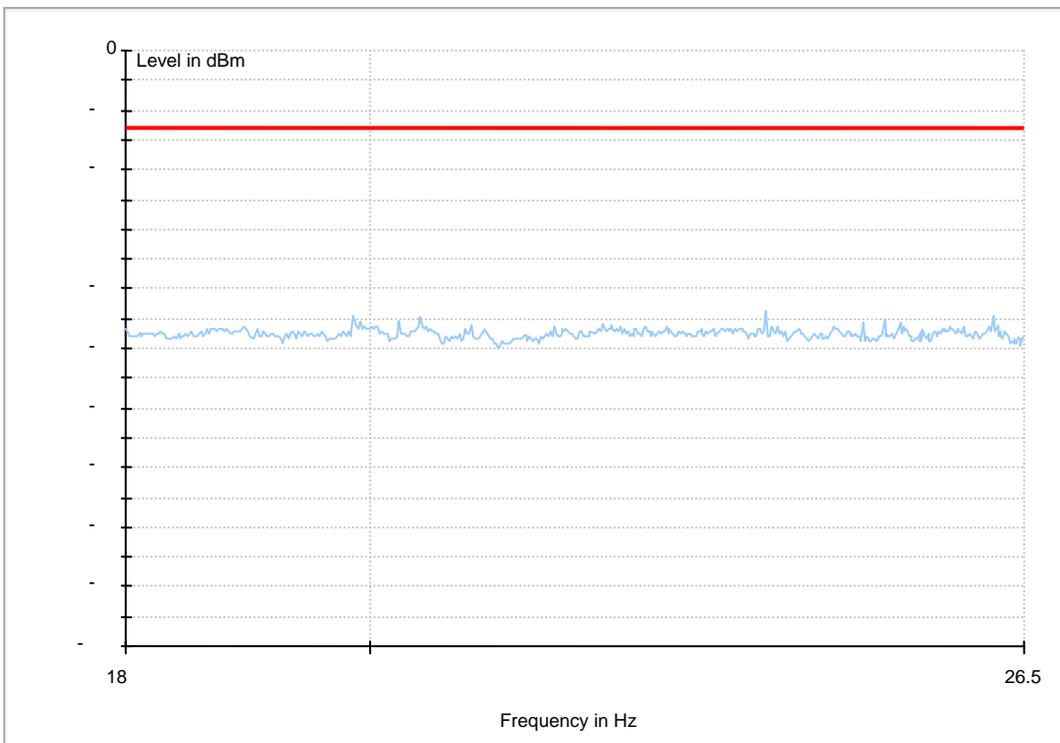
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)

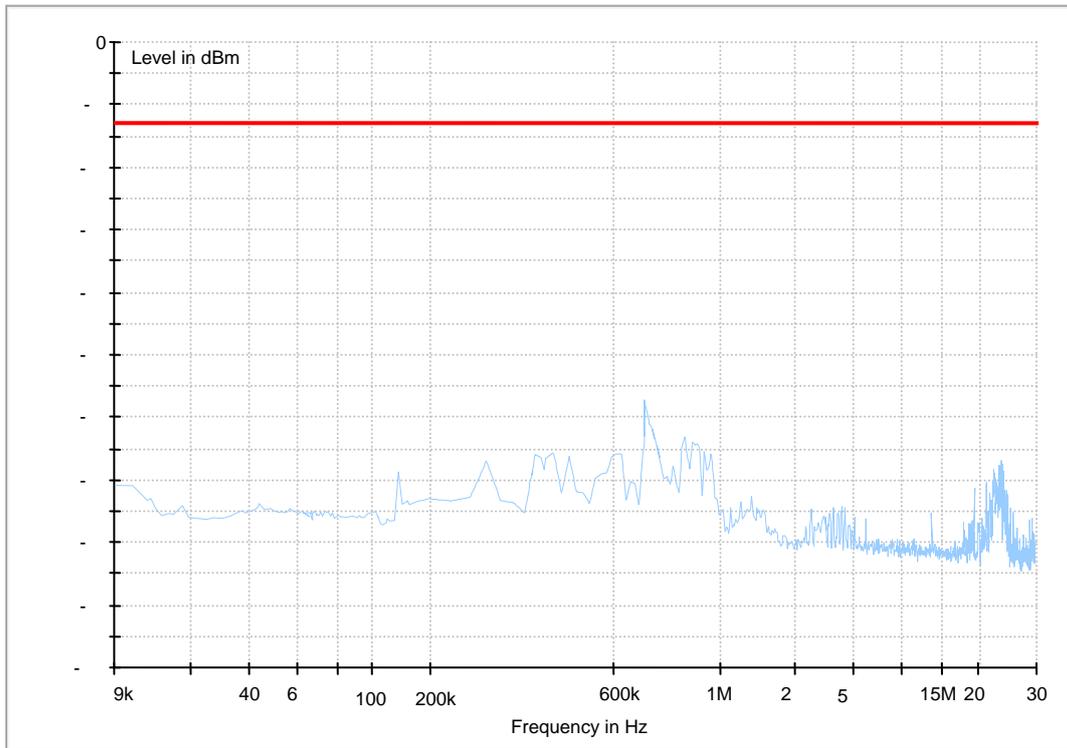


Traffic Mode (18GHz-26.5GHz)

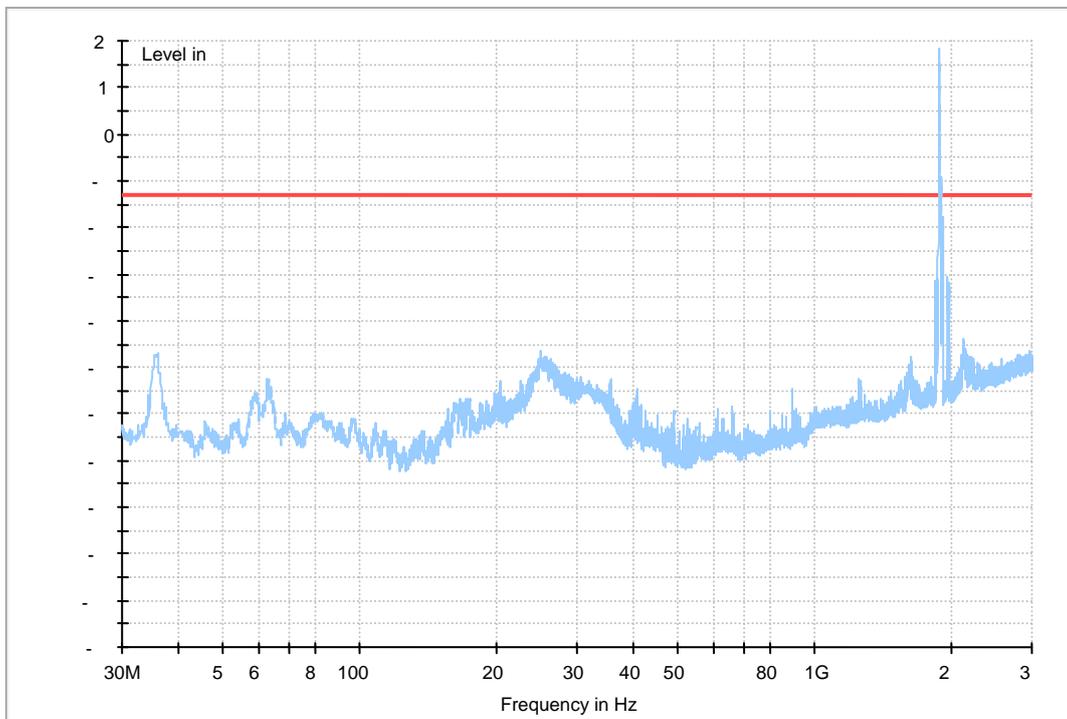


LTE Band II (BW=20MHz)

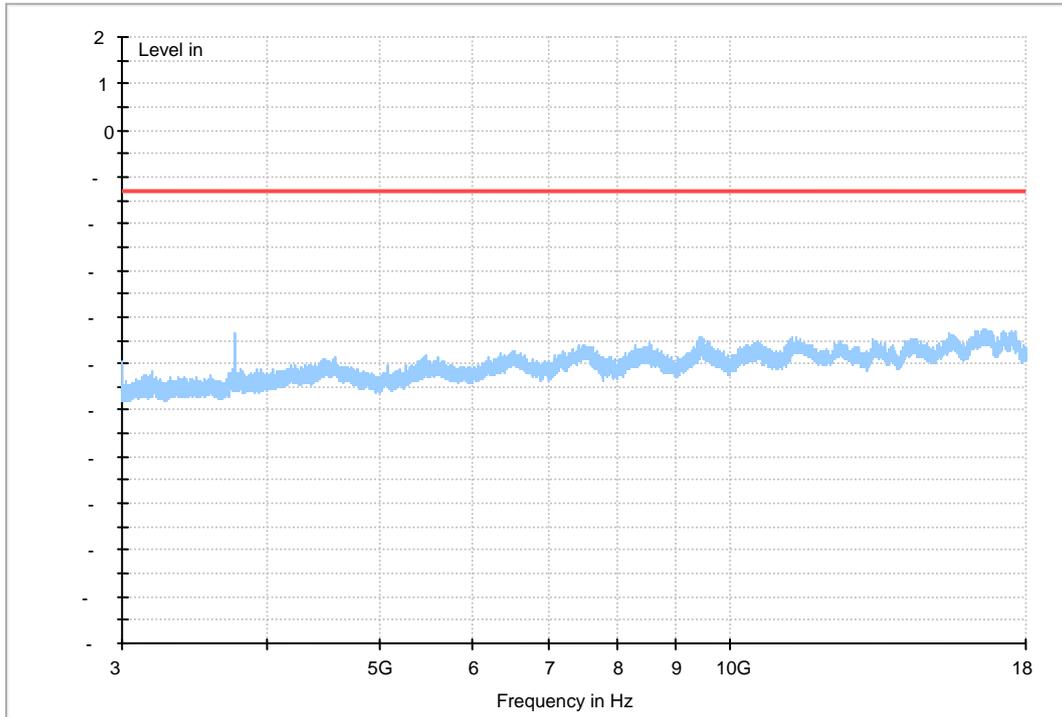
Traffic Mode (9kHz-30MHz)



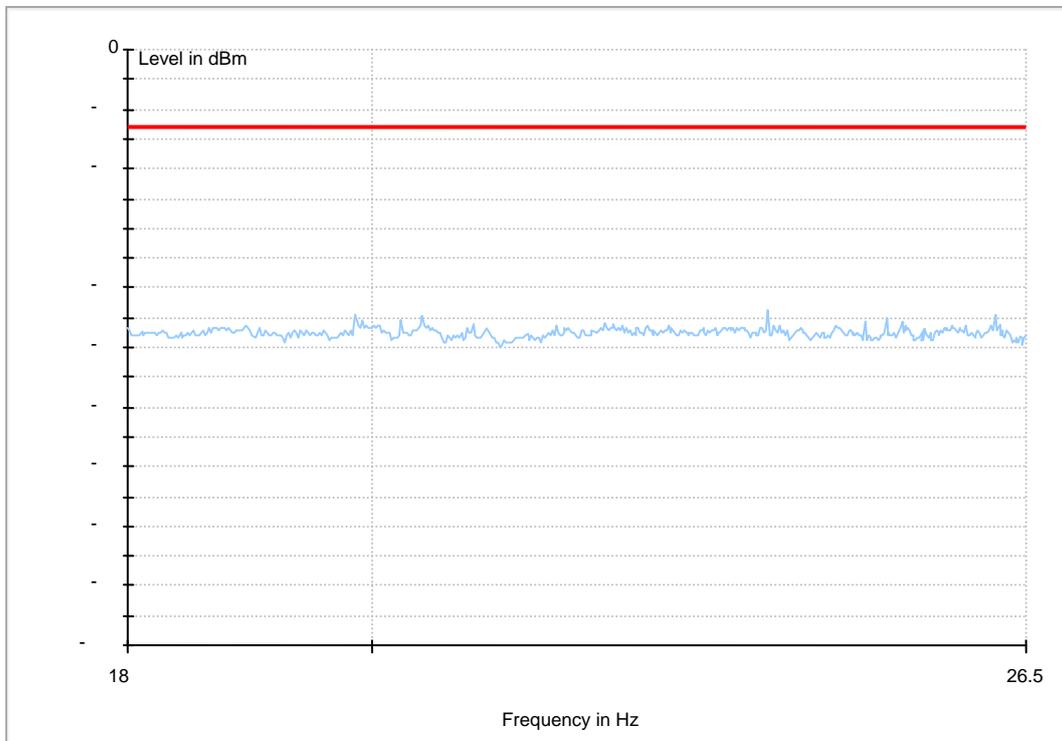
Traffic Mode (30MHz-3GHz)



Traffic Mode (3GHz-18GHz)



Traffic Mode (18GHz-26.5GHz)



-----END-----



Appendix G

Frequency Stability

According to FCC Part 2.1055 & Part 24.235



Frequency Error vs. Temperature:

NOTE: All relevant operation modes have been tested, and the worst case data is included in this report.

Table 1 Measurement Results BAND 2

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	-0.00851	---	±2.5	Pass
			-20 °C	-11	-0.00585	---	±2.5	Pass
			-10 °C	23	0.01223	---	±2.5	Pass
			0 °C	18	0.00957	---	±2.5	Pass
			10 °C	11	0.00585	---	±2.5	Pass
			20 °C	-23	-0.01223	---	±2.5	Pass
			30 °C	-10	-0.00532	---	±2.5	Pass
			40 °C	-22	-0.01170	---	±2.5	Pass
			50 °C	25	0.01330	---	±2.5	Pass
TM2	M	VN	-30 °C	-16	-0.00851	---	±2.5	Pass
			-20 °C	17	0.00904	---	±2.5	Pass
			-10 °C	11	0.00585	---	±2.5	Pass
			0 °C	-18	-0.00957	---	±2.5	Pass
			10 °C	-17	-0.00904	---	±2.5	Pass
			20 °C	23	0.01223	---	±2.5	Pass
			30 °C	-15	-0.00798	---	±2.5	Pass
			40 °C	12	0.00638	---	±2.5	Pass
			50 °C	-18	-0.00957	---	±2.5	Pass
TM3	M	VN	-20 °C	-20	-0.01064	---	±2.5	Pass
			-10 °C	14	0.00745	---	±2.5	Pass
			0 °C	-16	-0.00851	---	±2.5	Pass
			10 °C	24	0.01277	---	±2.5	Pass
			20 °C	-14	-0.00745	---	±2.5	Pass
			30 °C	-21	-0.01117	---	±2.5	Pass
			40 °C	15	0.00798	---	±2.5	Pass
			50 °C	-27	-0.01436	---	±2.5	Pass
			-30 °C	-16	-0.00851	---	±2.5	Pass



Table 2 Measurement Results (LTE QPSK) BAND 2

Test Mode	RF Ch.	Volt.	Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Limit [ppm]	Verdict
TM6(5M)	M	VN	-30 °C	13	0.00691	---	±2.5	Pass
			-20 °C	8	0.00426	---	±2.5	Pass
			-10 °C	18	0.00957	---	±2.5	Pass
			0 °C	-14	-0.00745	---	±2.5	Pass
			10 °C	-25	-0.01330	---	±2.5	Pass
			20 °C	12	0.00638	---	±2.5	Pass
			30 °C	-10	-0.00532	---	±2.5	Pass
			40 °C	-10	-0.00532	---	±2.5	Pass
TM6(10 M)	M	VN	50 °C	14	0.00745	---	±2.5	Pass
			-30 °C	-24	-0.01277	---	±2.5	Pass
			-20 °C	-21	-0.01117	---	±2.5	Pass
			-10 °C	8	0.00426	---	±2.5	Pass
			0 °C	6	0.00319	---	±2.5	Pass
			10 °C	26	0.01383	---	±2.5	Pass
			20 °C	-11	-0.00585	---	±2.5	Pass
			30 °C	-20	-0.01064	---	±2.5	Pass
TM6(15 M)	M	VN	40 °C	-9	-0.00479	---	±2.5	Pass
			50 °C	-12	-0.00638	---	±2.5	Pass
			-30 °C	-22	-0.01170	---	±2.5	Pass
			-20 °C	-27	-0.01436	---	±2.5	Pass
			-10 °C	-15	-0.00798	---	±2.5	Pass
			0 °C	20	0.01064	---	±2.5	Pass
			10 °C	-10	-0.00532	---	±2.5	Pass
			20 °C	7	0.00372	---	±2.5	Pass
TM6(20 M)	M	VN	30 °C	-21	-0.01117	---	±2.5	Pass
			40 °C	-17	-0.00904	---	±2.5	Pass
			50 °C	-21	-0.01117	---	±2.5	Pass
			-30 °C	-9	-0.00479	---	±2.5	Pass
			-20 °C	-15	-0.00798	---	±2.5	Pass
			-10 °C	8	0.00426	---	±2.5	Pass
			0 °C	-27	-0.01436	---	±2.5	Pass
			10 °C	-13	-0.00691	---	±2.5	Pass
TM6(20 M)	M	VN	20 °C	-9	-0.00479	---	±2.5	Pass
			30 °C	9	0.00479	---	±2.5	Pass
			40 °C	-17	-0.00904	---	±2.5	Pass
			50 °C	25	0.01330	---	±2.5	Pass



Table 3 Measurement Results (LTE 16QAM) BAND 2

Test Mode	RF Ch.	Volt.	Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Limit [ppm]	Verdict
TM7(5M)	M	VN	-30 °C	21	0.01117	---	±2.5	Pass
			-20 °C	16	0.008511	---	±2.5	Pass
			-10 °C	26	0.01383	---	±2.5	Pass
			0 °C	-6	-0.00319	---	±2.5	Pass
			10 °C	-17	-0.00904	---	±2.5	Pass
			20 °C	20	0.010638	---	±2.5	Pass
			30 °C	-2	-0.00106	---	±2.5	Pass
			40 °C	-2	-0.00106	---	±2.5	Pass
TM7(10 M)	M	VN	-30 °C	-16	-0.00851	---	±2.5	Pass
			-20 °C	-13	-0.00691	---	±2.5	Pass
			-10 °C	16	0.008511	---	±2.5	Pass
			0 °C	14	0.007447	---	±2.5	Pass
			10 °C	34	0.018085	---	±2.5	Pass
			20 °C	-3	-0.0016	---	±2.5	Pass
			30 °C	-12	-0.00638	---	±2.5	Pass
			40 °C	-1	-0.00053	---	±2.5	Pass
TM7(15 M)	M	VN	-30 °C	-14	-0.00745	---	±2.5	Pass
			-20 °C	-19	-0.01011	---	±2.5	Pass
			-10 °C	-7	-0.00372	---	±2.5	Pass
			0 °C	28	0.014894	---	±2.5	Pass
			10 °C	-2	-0.00106	---	±2.5	Pass
			20 °C	15	0.007979	---	±2.5	Pass
			30 °C	-13	-0.00691	---	±2.5	Pass
			40 °C	-9	-0.00479	---	±2.5	Pass
TM7(20 M)	M	VN	-30 °C	-1	-0.00053	---	±2.5	Pass
			-20 °C	-7	-0.00372	---	±2.5	Pass
			-10 °C	16	0.008511	---	±2.5	Pass
			0 °C	-19	-0.01011	---	±2.5	Pass
			10 °C	-5	-0.00266	---	±2.5	Pass
			20 °C	-1	-0.00053	---	±2.5	Pass
			30 °C	17	0.009043	---	±2.5	Pass
			40 °C	-9	-0.00479	---	±2.5	Pass
			50 °C	33	0.017553	---	±2.5	Pass



Frequency Error vs. Voltage:

Table 4 Measurement Results BAND 2

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	14	0.00745	---	±2.5	Pass
			VN	-16	-0.00851	---	±2.5	Pass
			VH	-22	-0.01170	---	±2.5	Pass
TM 2	M	20 °C	VL	19	0.01011	---	±2.5	Pass
			VN	-18	-0.00957	---	±2.5	Pass
			VH	13	0.00692	---	±2.5	Pass
TM 3	M	20 °C	VL	-13	-0.00691	---	±2.5	Pass
			VN	10	0.00532	---	±2.5	Pass
			VH	19	0.01011	---	±2.5	Pass

Table 5 Measurement Results (LTE QPSK) BAND 2

Test Mode	RF Ch.	Temp.	Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Limit [ppm]	Verdict
TM6(5M)	M	20 °C	VL	18	0.00957	---	±2.5	Pass
			VN	-12	-0.00638	---	±2.5	Pass
			VH	-18	-0.00957	---	±2.5	Pass
TM6(10 M)	M	20 °C	VL	11	0.00585	---	±2.5	Pass
			VN	24	0.01277	---	±2.5	Pass
			VH	-24	-0.01277	---	±2.5	Pass
TM6(15 M)	M	20 °C	VL	23	0.01223	---	±2.5	Pass
			VN	10	0.00532	---	±2.5	Pass
			VH	22	0.01170	---	±2.5	Pass
TM6(20 M)	M	20 °C	VL	-9	-0.00479	---	±2.5	Pass
			VN	-18	-0.00957	---	±2.5	Pass
			VH	12	0.00638	---	±2.5	Pass

Table 6 Measurement Results (LTE 16QAM) BAND 2

Test Mode	RF Ch.	Temp.	Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Limit [ppm]	Verdict
TM7(5M)	M	20 °C	VL	26	0.01383	---	±2.5	Pass
			VN	-4	-0.00213	---	±2.5	Pass
			VH	-10	-0.00532	---	±2.5	Pass
TM7(10 M)	M	20 °C	VL	19	0.010106	---	±2.5	Pass
			VN	32	0.017021	---	±2.5	Pass



Test Mode	RF Ch.	Temp.	Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Freq. vs. 20 °C [ppm]	Limit [ppm]	Verdict
			VH	-16	-0.00851	---	±2.5	Pass
TM7(15 M)	M	20 °C	VL	31	0.016489	---	±2.5	Pass
			VN	18	0.009574	---	±2.5	Pass
			VH	30	0.015957	---	±2.5	Pass
			VL	-1	-0.00053	---	±2.5	Pass
TM7(20 M)	M	20 °C	VN	-10	-0.00532	---	±2.5	Pass
			VH	20	0.010638	---	±2.5	Pass

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



Appendix H

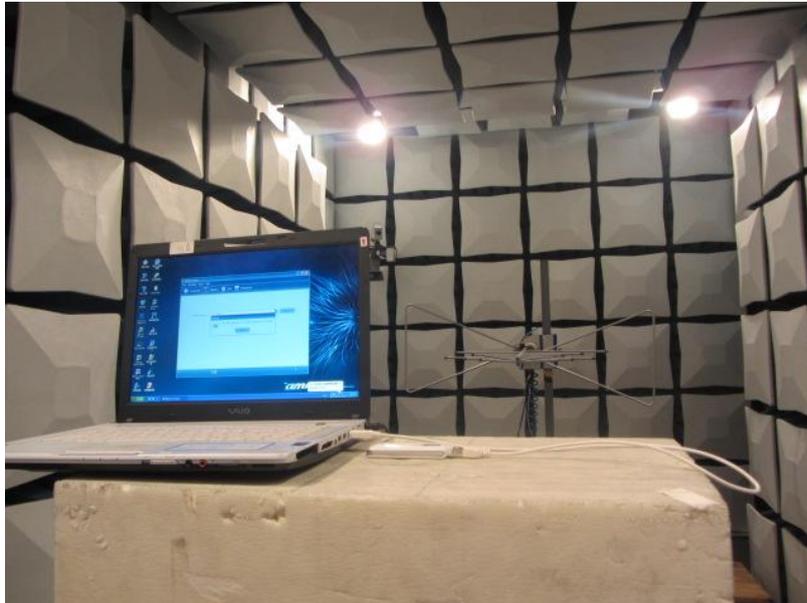
Photos of Radiated Spurious Emissions



Photos of Test Setup



1 Radiated Spurious Emissions



Radiated Spurious Emission (below 2GHz)



Radiated Spurious Emission (2GHz to18GHz)



Radiated Spurious Emission (18GHz to26.5GHz)