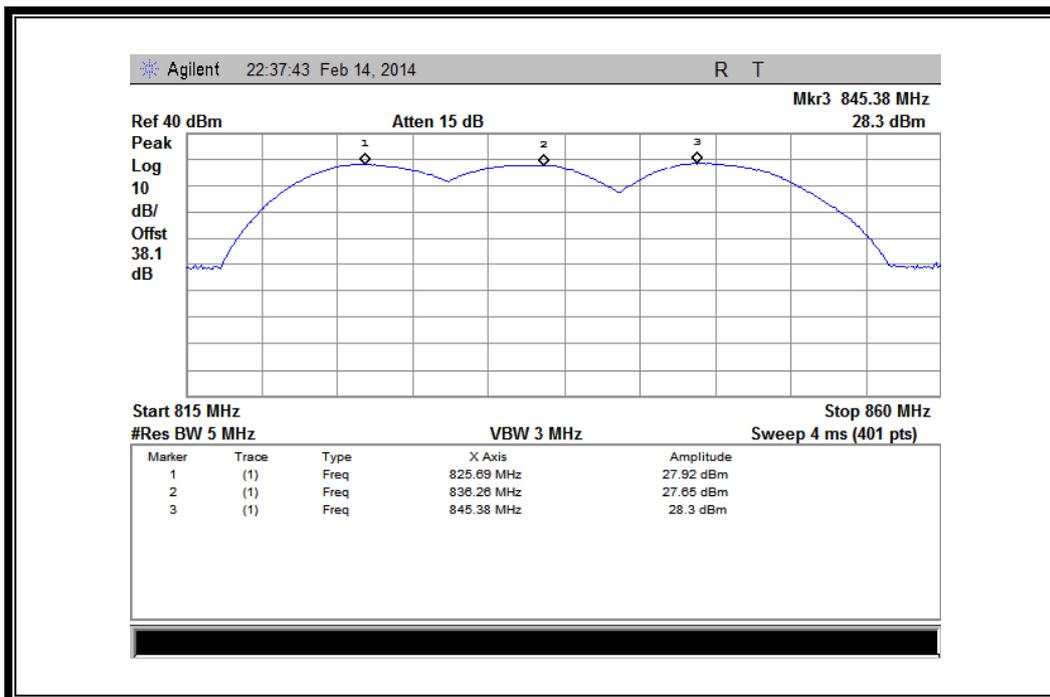
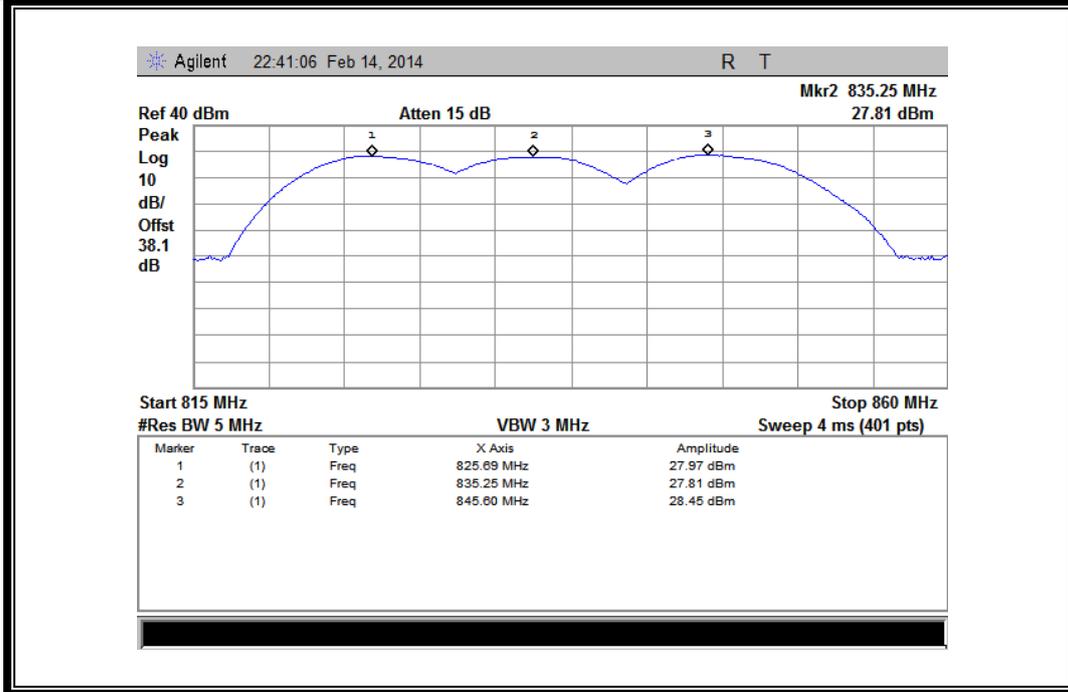


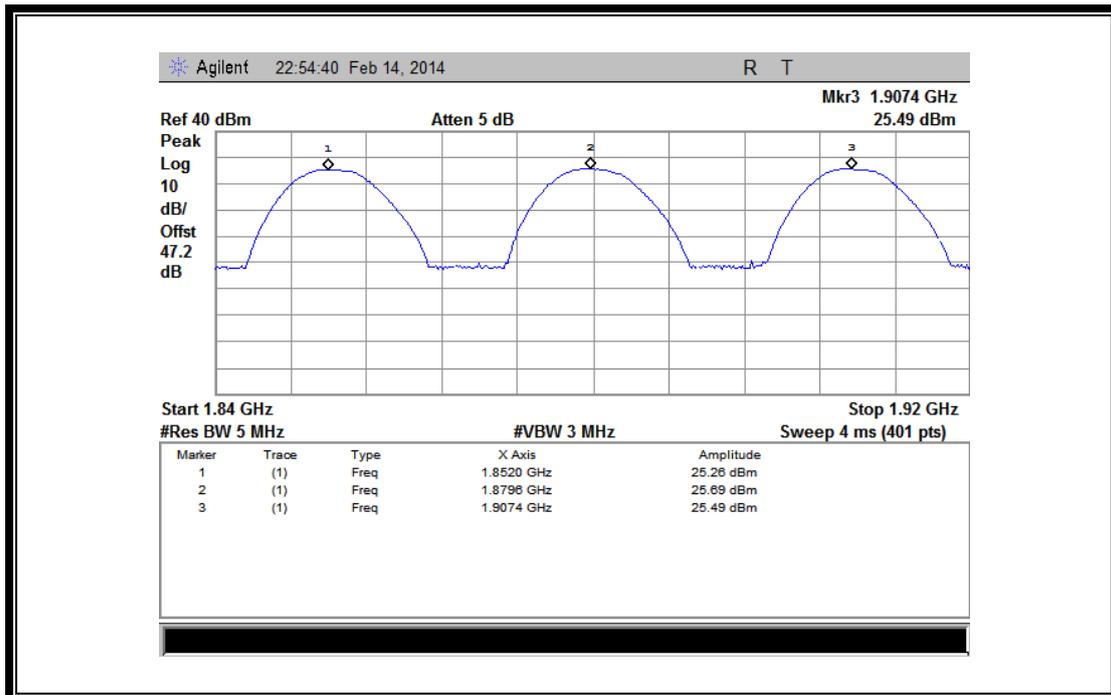
(Plot G: WCDMA 850 MHz Channel = 4132, 4175, 4233)



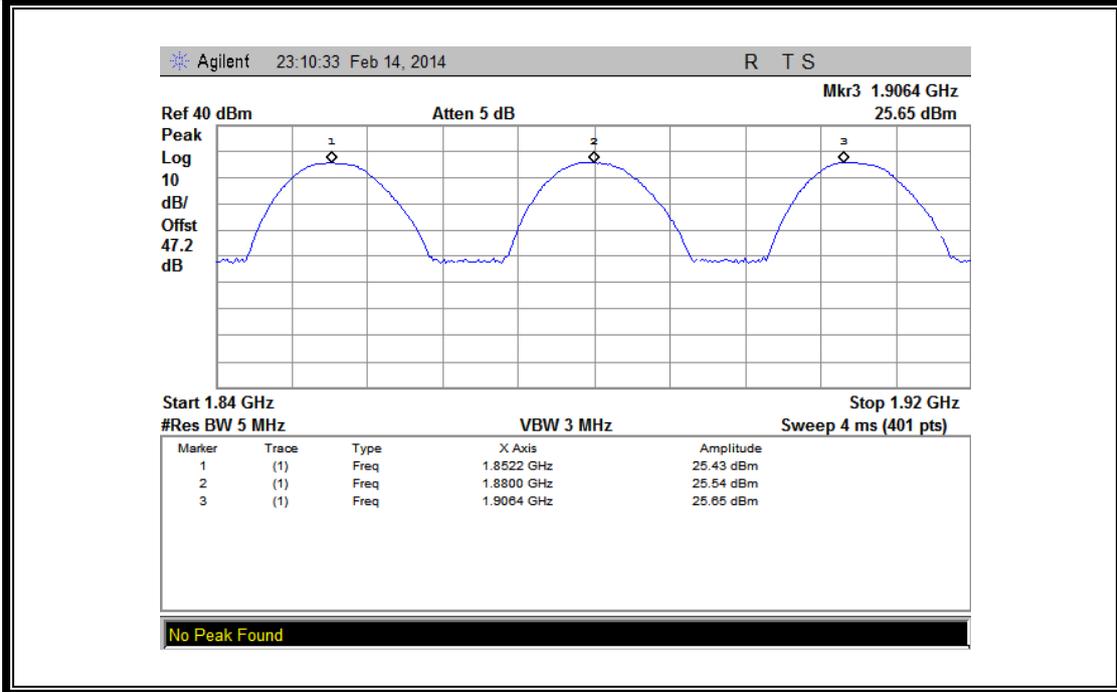
(Plot H: HSDPA 850 MHz Channel = 4132, 4175, 4233)



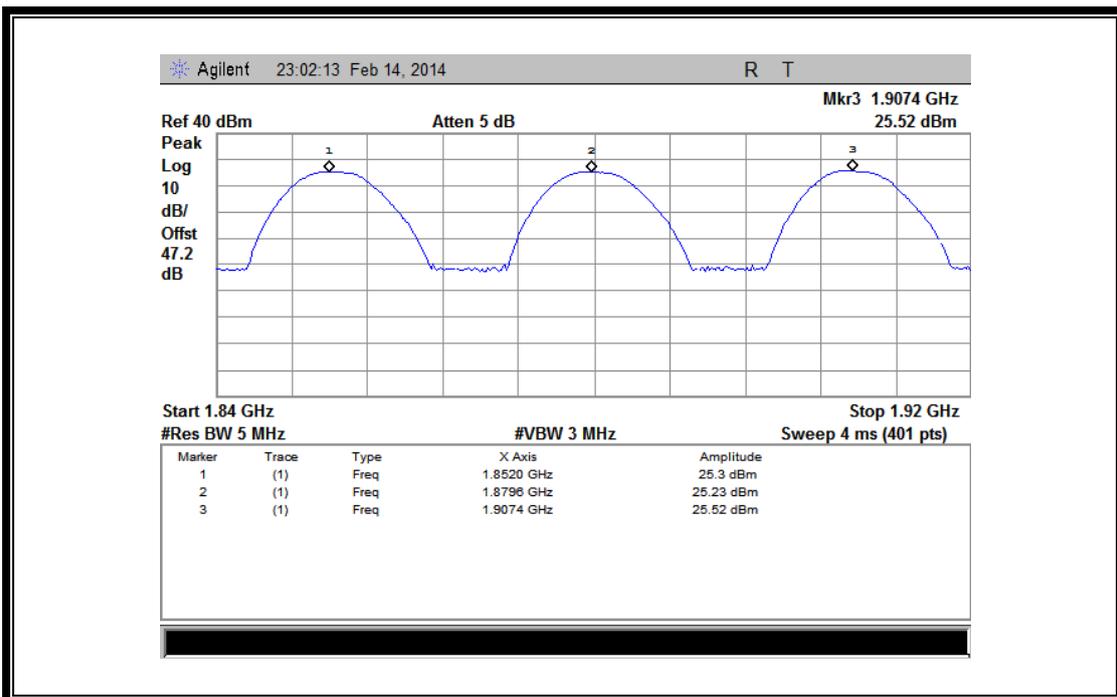
(Plot I: HSUPA 850 MHz Channel = 4132, 4175, 4233)



(Plot J: WCDMA 1900 MHz Channel = 9262, 9400, 9538)



(Plot K: HSDPA1900 MHz Channel = 9262, 9400, 9538)



(Plot L: HSUPA1900 MHz Channel = 9262, 9400, 9538)

2.8 Radiated Out of Band Emissions

2.8.1 Requirement

According to FCC section 22.917(a) and section 24.238(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13dBm.

The spurious emission with frequency band 1900 according to FCC section 2.1057.

2.8.2 Test Description

See section 2.7.2 of this report.

Equipment List:

Description	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
System Simulator	Agilent	E5515C	GB43130131	2012.05	2014.05
Spectrum Analyzer	Agilent	E7405A	US44210471	2012.05	2014.05
Full-Anechoic Chamber	Albatross	9m*6m*6m	(n.a.)	2012.05	2014.05
Test Antenna - Bi-Log	Schwarzbeck	VULB 9163	9163-274	2012.05	2014.05
Test Antenna - Horn	Schwarzbeck	BBHA 9120C	9120C-384	2012.05	2014.05
Substitution Antenna	Schwarzbeck	BBHA 9120C	9120C-384	2012.05	2014.05
Pre-AMPs	lucix	S10M100L3802	S020180L3203	2012.05	2014.05
Notch Filter	COM-MW	ZBSF-C836.5-25-X	NA	2012.05	2014.05
Notch Filter	COM-MW	ZBSF-C1747.5-75-X2	NA	2012.05	2014.05
Notch Filter	COM-MW	ZBSF-C1880-60-X2	NA	2012.05	2014.05

Note: when doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.8.3 Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested to verify the out of band emissions.

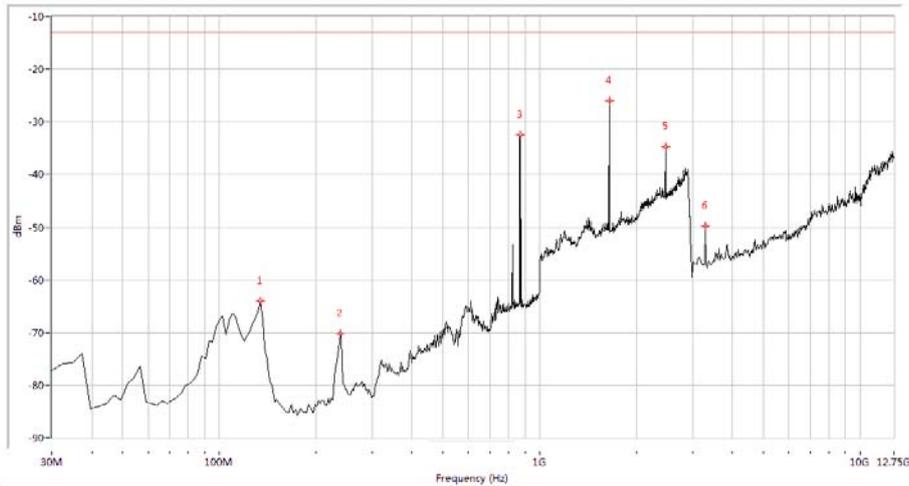
1. Test Verdict:

Band	Channel	Frequency (MHz)	Measured Max. Spurious Emission (dBm)		Refer to Plot	Limit (dBm)	Verdict
			Test Antenna Horizontal	Test Antenna Vertical			
GSM 850MHz	128	824.2	< -25	< -25	Plot A.1/A.2	-13	<u>PASS</u>
	190	836.6	< -25	< -25	Plot A.3/A.4		<u>PASS</u>
	251	848.8	< -25	< -25	Plot A.5/A.6		<u>PASS</u>
GSM 1900MHz	512	1850.2	< -25	< -25	Plot B.1/B.2	-13	<u>PASS</u>
	661	1880.0	< -25	< -25	Plot B.3/B.4		<u>PASS</u>
	810	1909.8	-23.76	< -25	Plot B.5/B.6		<u>PASS</u>
EDGE 850MHz	128	824.2	< -25	< -25	Plot C.1/C.2	-13	<u>PASS</u>
	190	836.6	< -25	< -25	Plot C.3/C.4		<u>PASS</u>
	251	848.8	< -25	< -25	Plot C.5/C.6		<u>PASS</u>
EDGE 1900MHz	512	1850.2	< -25	< -25	Plot D.1/D.2	-13	<u>PASS</u>
	661	1880.0	< -25	< -25	Plot D.3/D.4		<u>PASS</u>
	810	1909.8	-24.67	-24.19	Plot D.5/D.6		<u>PASS</u>
WCDMA 850MHz	4132	826.4	< -25	< -25	Plot E.1/E.2	-13	<u>PASS</u>
	4175	835	< -25	< -25	Plot E.3/E.4		<u>PASS</u>
	4233	846.6	< -25	< -25	Plot E.5/E.6		<u>PASS</u>
WCDMA 1900MHz	9262	1852.4	< -25	< -25	Plot F.1/F.2	-13	<u>PASS</u>
	9400	1880	< -25	< -25	Plot F.3/F.4		<u>PASS</u>
	9538	1907.6	< -25	< -25	Plot F.5/F.6		<u>PASS</u>
HSDPA 850MHz	4132	826.4	< -25	< -25	Plot G.1/G.2	-13	<u>PASS</u>
	4175	835	< -25	< -25	Plot G.3/G.4		<u>PASS</u>
	4233	846.6	< -25	< -25	Plot G.5/G.6		<u>PASS</u>
HSDPA 1900MHz	9262	1852.4	< -25	< -25	Plot H.1/H.2	-13	<u>PASS</u>
	9400	1880	< -25	< -25	Plot H.3/H.4		<u>PASS</u>
	9538	1907.6	< -25	< -25	Plot H.5/H.6		<u>PASS</u>
HSUPA 850MHz	4132	826.4	< -25	< -25	Plot I.1/I.2	-13	<u>PASS</u>
	4175	835	< -25	< -25	Plot I.3/I.4		<u>PASS</u>
	4233	846.6	< -25	< -25	Plot I.5/I.6		<u>PASS</u>
HSUPA 1900MHz	9262	1852.4	< -25	< -25	Plot J.1/J.2	-13	<u>PASS</u>
	9400	1880	< -25	< -25	Plot J.3/J.4		<u>PASS</u>
	9538	1907.6	< -25	< -25	Plot J.5/J.6		<u>PASS</u>

2. Test Plots for the Whole Measurement Frequency Range:

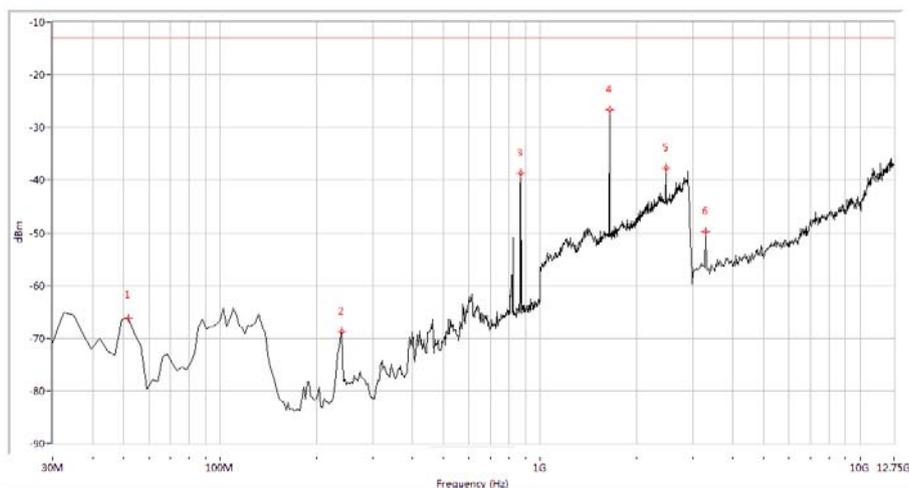
Note1: the power of the EUT transmitting frequency should be ignored.

Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.



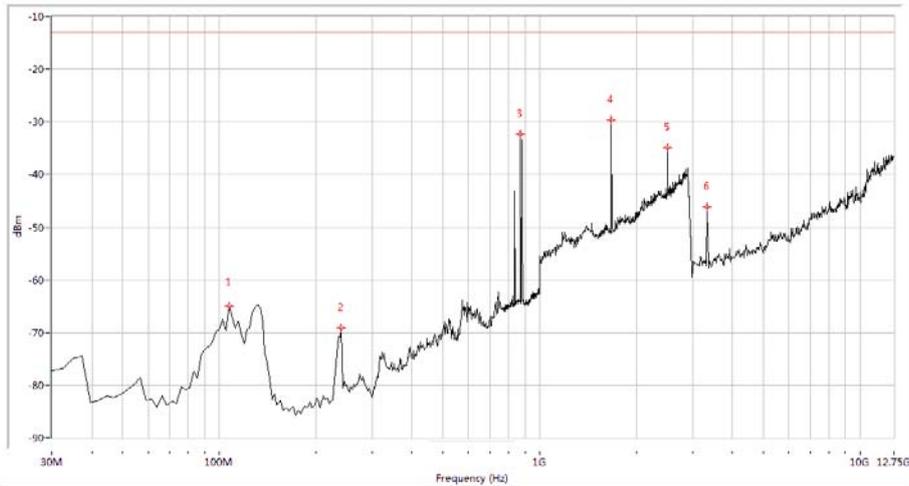
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
134.015	-63.94	-13.0	50.9	67.0	Horizontal	<u>PASS</u>
238.030	-70.15	-13.0	57.1	26.5	Horizontal	<u>PASS</u>
871.796	-32.56	-13.0	19.6	136.9	Horizontal	<u>PASS</u>
1648.379	-26.03	-13.0	13.0	-0.0	Horizontal	<u>PASS</u>
2471.322	-34.75	-13.0	21.7	203.2	Horizontal	<u>PASS</u>
3291.771	-49.82	-13.0	36.8	354.8	Horizontal	<u>PASS</u>

(Plot A.1: GSM 850MHz Channel = 128, Test Antenna Horizontal)



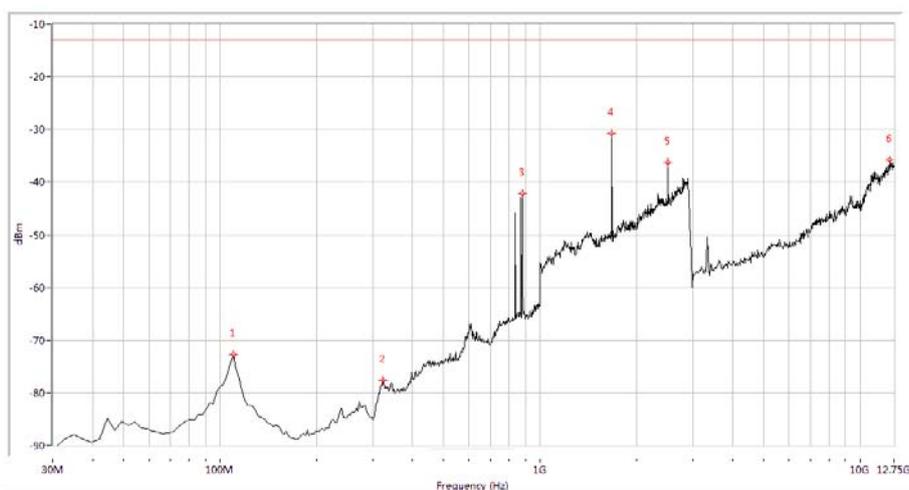
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-66.23	-13.0	53.2	359.6	Vertical	<u>PASS</u>
240.449	-68.76	-13.0	55.8	206.5	Vertical	<u>PASS</u>
871.796	-38.66	-13.0	25.7	212.1	Vertical	<u>PASS</u>
1648.379	-26.58	-13.0	13.6	355.5	Vertical	<u>PASS</u>
2471.322	-37.68	-13.0	24.7	18.8	Vertical	<u>PASS</u>
3291.771	-49.80	-13.0	36.8	241.4	Vertical	<u>PASS</u>

(Plot A.2: GSM 850MHz Channel = 128, Test Antenna Vertical)



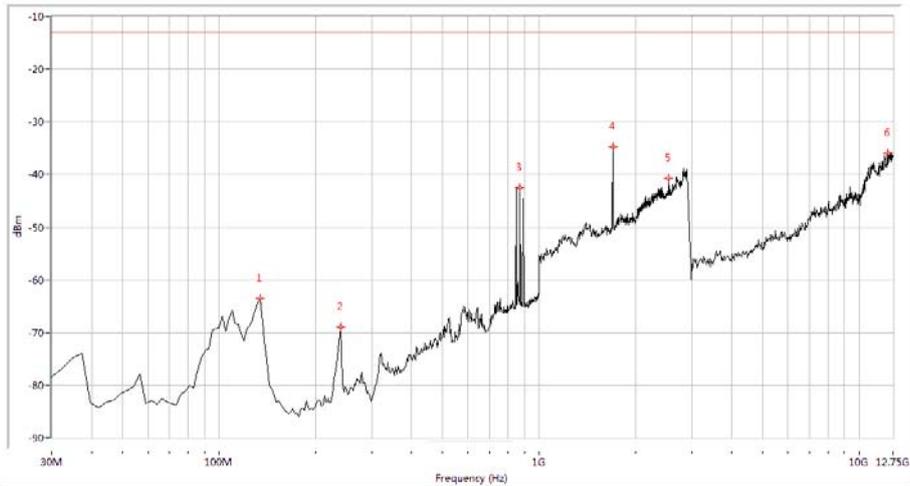
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-65.00	-13.0	52.0	303.0	Horizontal	<u>PASS</u>
240.449	-69.09	-13.0	56.1	161.3	Horizontal	<u>PASS</u>
871.796	-32.40	-13.0	19.4	133.4	Horizontal	<u>PASS</u>
1673.317	-29.59	-13.0	16.6	3.0	Horizontal	<u>PASS</u>
2506.234	-34.79	-13.0	21.8	226.6	Horizontal	<u>PASS</u>
3340.399	-46.09	-13.0	33.1	236.8	Horizontal	<u>PASS</u>

(Plot A.3: GSM 850MHz Channel = 190, Test Antenna Horizontal)



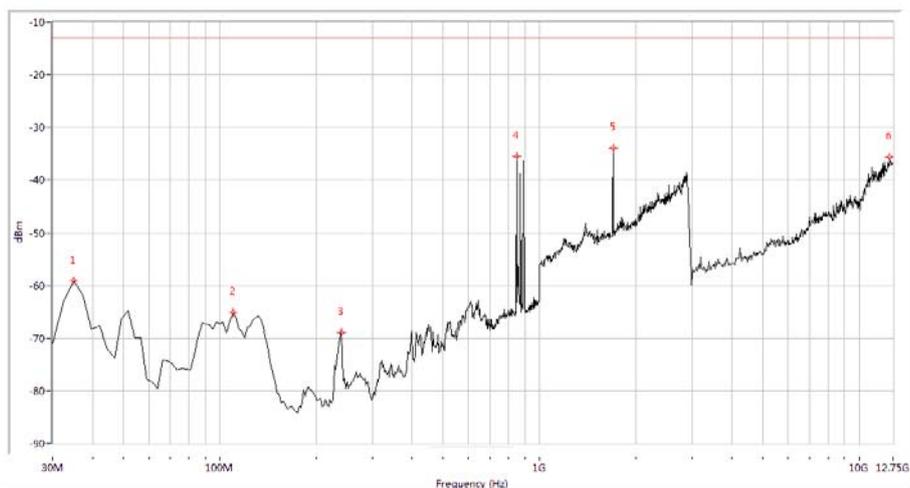
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-72.74	-13.0	59.7	197.8	Vertical	<u>PASS</u>
322.693	-77.68	-13.0	64.7	97.6	Vertical	<u>PASS</u>
879.052	-42.11	-13.0	29.1	224.2	Vertical	<u>PASS</u>
1673.317	-30.69	-13.0	17.7	360.0	Vertical	<u>PASS</u>
2506.234	-36.29	-13.0	23.3	215.4	Vertical	<u>PASS</u>
12385.287	-35.75	-13.0	22.7	52.0	Vertical	<u>PASS</u>

(Plot A.4: GSM 850MHz Channel = 190, Test Antenna Vertical)



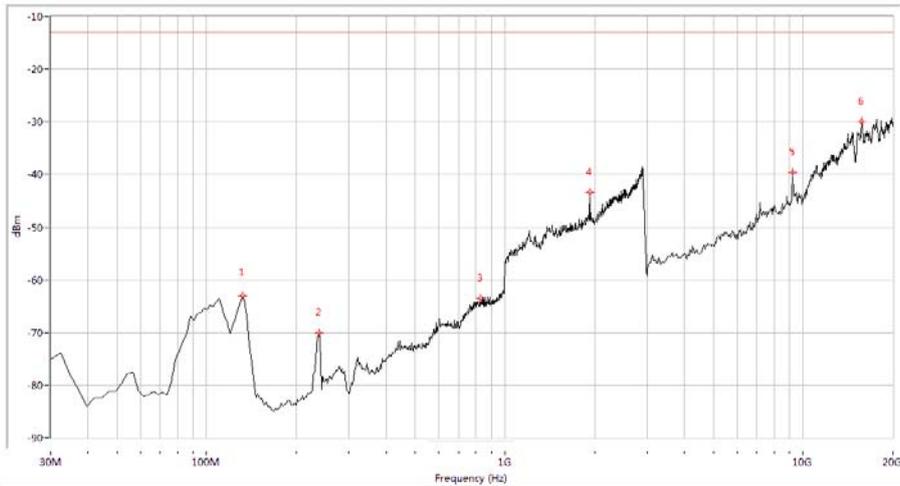
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
134.015	-63.61	-13.0	50.6	63.1	Horizontal	<u>PASS</u>
240.449	-68.96	-13.0	56.0	-0.0	Horizontal	<u>PASS</u>
871.796	-42.43	-13.0	29.4	121.9	Horizontal	<u>PASS</u>
1698.254	-34.67	-13.0	21.7	360.0	Horizontal	<u>PASS</u>
2541.147	-40.80	-13.0	27.8	0.4	Horizontal	<u>PASS</u>
12263.716	-36.05	-13.0	23.0	160.2	Horizontal	<u>PASS</u>

(Plot A.5: GSM 850MHz Channel = 251, Test Antenna Horizontal)



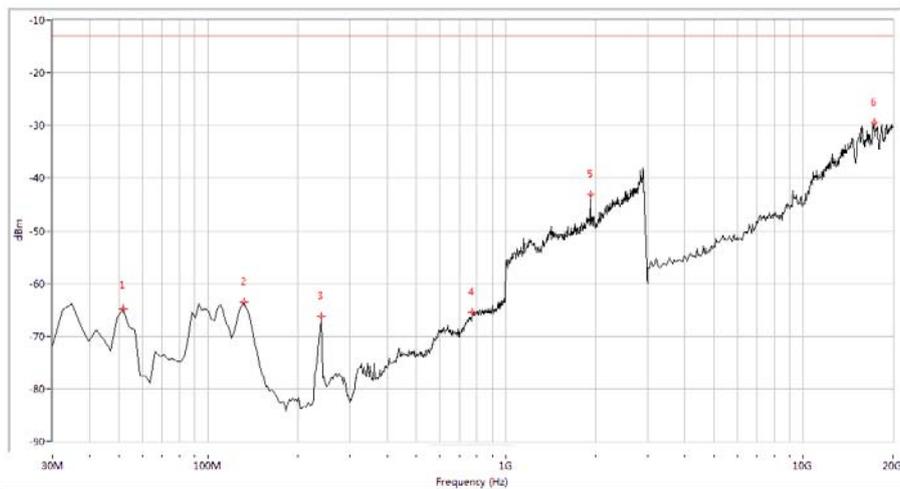
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-59.03	-13.0	46.0	80.8	Vertical	<u>PASS</u>
109.825	-65.06	-13.0	52.1	226.2	Vertical	<u>PASS</u>
240.449	-68.91	-13.0	55.9	360.0	Vertical	<u>PASS</u>
847.606	-35.53	-13.0	22.5	359.2	Vertical	<u>PASS</u>
1698.254	-33.92	-13.0	20.9	117.0	Vertical	<u>PASS</u>
12482.544	-35.62	-13.0	22.6	120.2	Vertical	<u>PASS</u>

(Plot A.6: GSM 850MHz Channel = 251, Test Antenna Vertical)



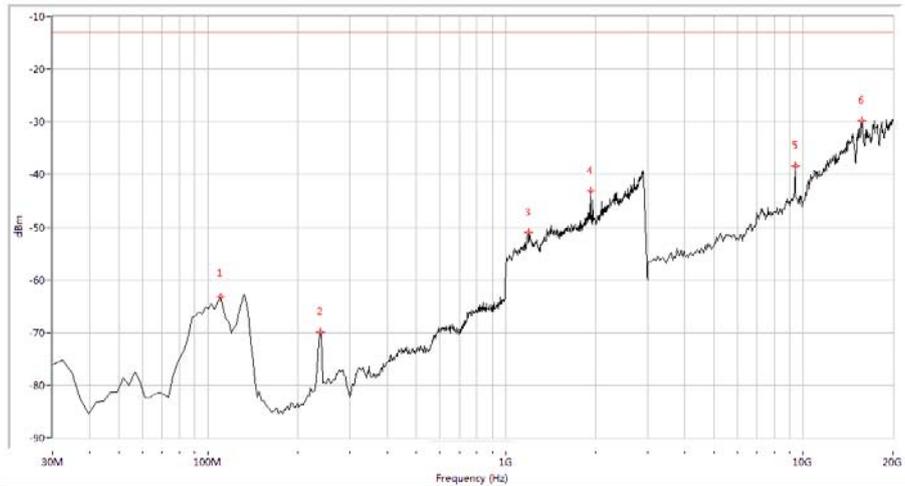
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
131.596	-63.11	-13.0	50.1	86.9	Horizontal	<u>PASS</u>
238.030	-70.05	-13.0	57.0	-0.0	Horizontal	<u>PASS</u>
830.673	-63.56	-13.0	50.6	187.7	Horizontal	<u>PASS</u>
1927.681	-43.41	-13.0	30.4	48.8	Horizontal	<u>PASS</u>
9231.920	-39.63	-13.0	26.6	0.6	Horizontal	<u>PASS</u>
15760.599	-30.01	-13.0	17.0	202.9	Horizontal	<u>PASS</u>

(Plot B.1: GSM 1900MHz Channel = 512, Test Antenna Horizontal)



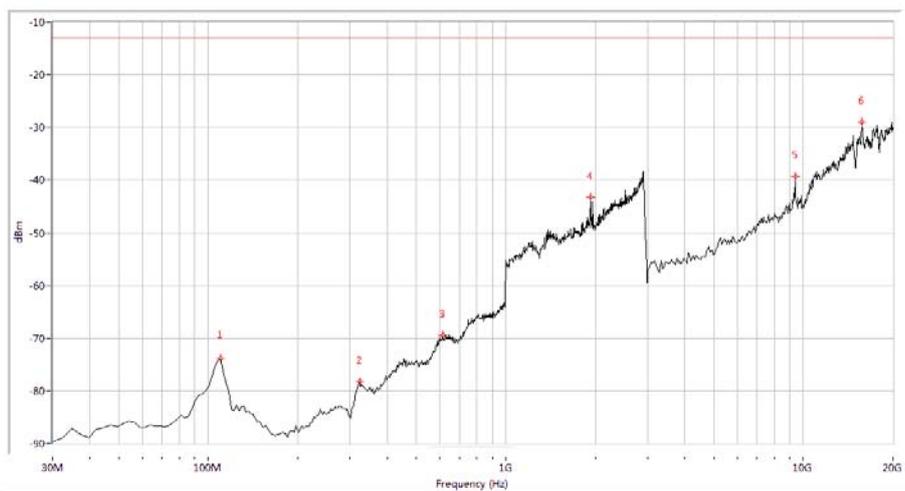
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-64.79	-13.0	51.8	156.3	Vertical	<u>PASS</u>
131.596	-63.47	-13.0	50.5	358.7	Vertical	<u>PASS</u>
240.449	-66.19	-13.0	53.2	156.3	Vertical	<u>PASS</u>
772.618	-65.51	-13.0	52.5	27.6	Vertical	<u>PASS</u>
1927.681	-43.17	-13.0	30.2	233.8	Vertical	<u>PASS</u>
17286.783	-29.55	-13.0	16.5	207.5	Vertical	<u>PASS</u>

(Plot B.2: GSM 1900MHz Channel = 512, Test Antenna Vertical)



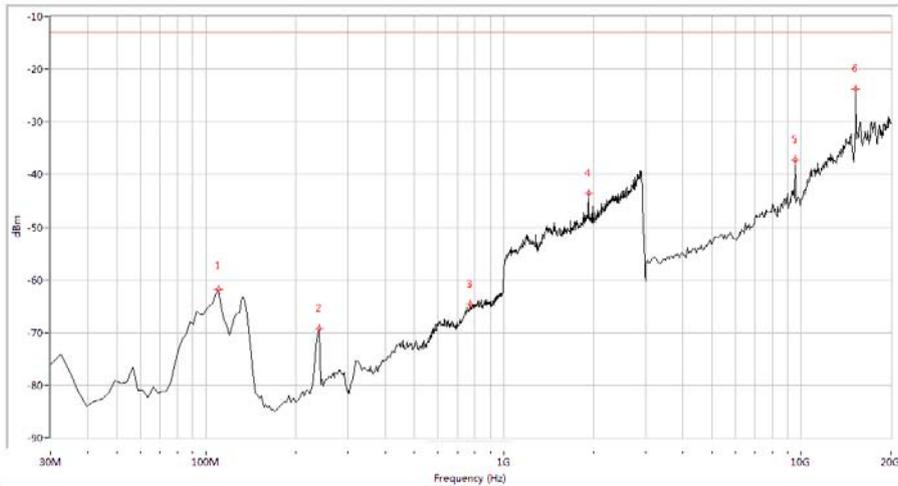
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-63.24	-13.0	50.2	269.5	Horizontal	<u>PASS</u>
238.030	-69.86	-13.0	56.9	-0.0	Horizontal	<u>PASS</u>
1189.526	-51.00	-13.0	38.0	35.0	Horizontal	<u>PASS</u>
1927.681	-43.12	-13.0	30.1	236.3	Horizontal	<u>PASS</u>
9401.496	-38.40	-13.0	25.4	-0.0	Horizontal	<u>PASS</u>
15760.599	-29.83	-13.0	16.8	181.4	Horizontal	<u>PASS</u>

(Plot B.3: GSM 1900MHz Channel = 661, Test Antenna Horizontal)



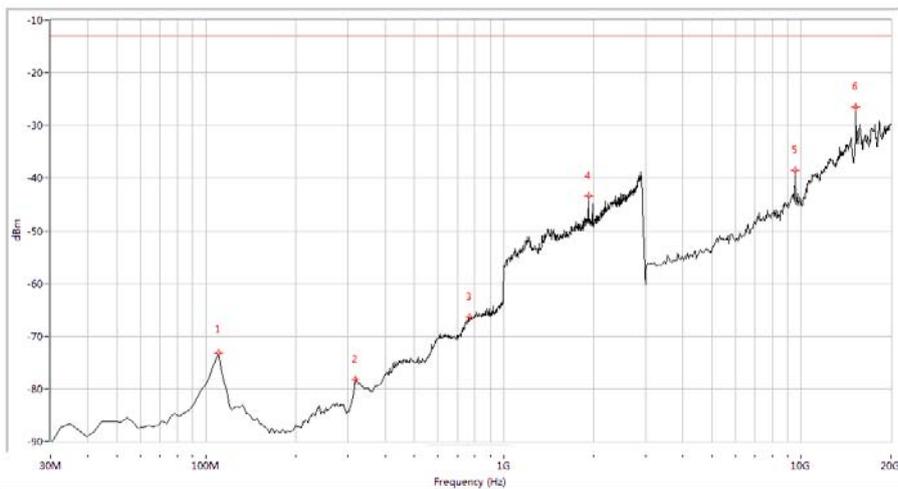
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.85	-13.0	60.9	99.7	Vertical	<u>PASS</u>
322.693	-78.21	-13.0	65.2	354.1	Vertical	<u>PASS</u>
615.387	-69.38	-13.0	56.4	213.2	Vertical	<u>PASS</u>
1927.681	-43.22	-13.0	30.2	236.8	Vertical	<u>PASS</u>
9401.496	-39.30	-13.0	26.3	355.0	Vertical	<u>PASS</u>
15760.599	-28.97	-13.0	16.0	360.0	Vertical	<u>PASS</u>

(Plot B.4: GSM 1900MHz Channel = 661, Test Antenna Vertical)



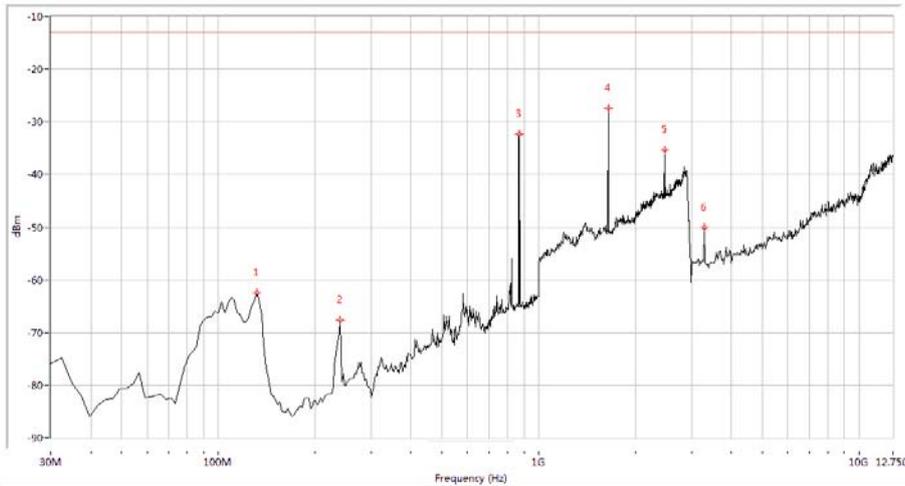
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-61.81	-13.0	48.8	281.2	Horizontal	<u>PASS</u>
240.449	-69.18	-13.0	56.2	32.1	Horizontal	<u>PASS</u>
770.200	-64.67	-13.0	51.7	138.0	Horizontal	<u>PASS</u>
1927.681	-43.65	-13.0	30.7	53.1	Horizontal	<u>PASS</u>
9528.678	-37.26	-13.0	24.3	3.4	Horizontal	<u>PASS</u>
15251.870	-23.76	-13.0	10.8	341.8	Horizontal	<u>PASS</u>

(Plot B.5: GSM 1900MHz Channel = 810, Test Antenna Horizontal)



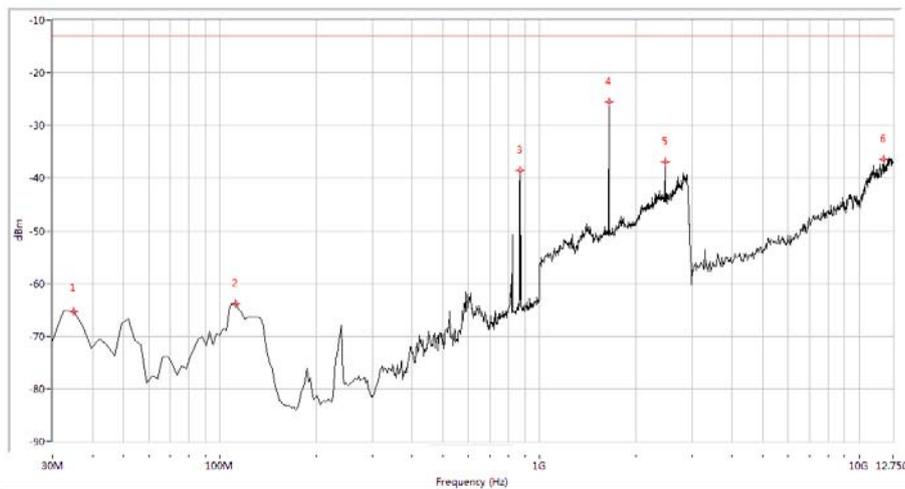
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.24	-13.0	60.2	345.8	Vertical	<u>PASS</u>
317.855	-78.30	-13.0	65.3	255.4	Vertical	<u>PASS</u>
765.362	-66.37	-13.0	53.4	201.1	Vertical	<u>PASS</u>
1927.681	-43.45	-13.0	30.4	53.2	Vertical	<u>PASS</u>
9528.678	-38.57	-13.0	25.6	47.1	Vertical	<u>PASS</u>
15251.870	-26.44	-13.0	13.4	150.5	Vertical	<u>PASS</u>

(Plot B.6: GSM 1900MHz Channel = 810, Test Antenna Vertical)



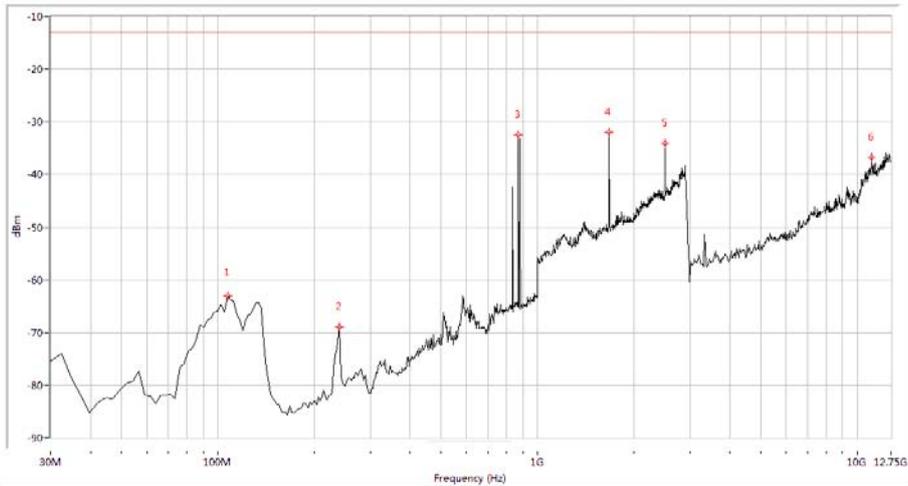
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
131.596	-62.40	-13.0	49.4	67.9	Horizontal	<u>PASS</u>
240.449	-67.65	-13.0	54.7	178.0	Horizontal	<u>PASS</u>
871.796	-32.27	-13.0	19.3	125.6	Horizontal	<u>PASS</u>
1648.379	-27.44	-13.0	14.4	2.9	Horizontal	<u>PASS</u>
2471.322	-35.35	-13.0	22.4	166.4	Horizontal	<u>PASS</u>
3291.771	-50.02	-13.0	37.0	-0.0	Horizontal	<u>PASS</u>

(Plot C.1: EGPRS 850MHz Channel = 128, Test Antenna Horizontal)



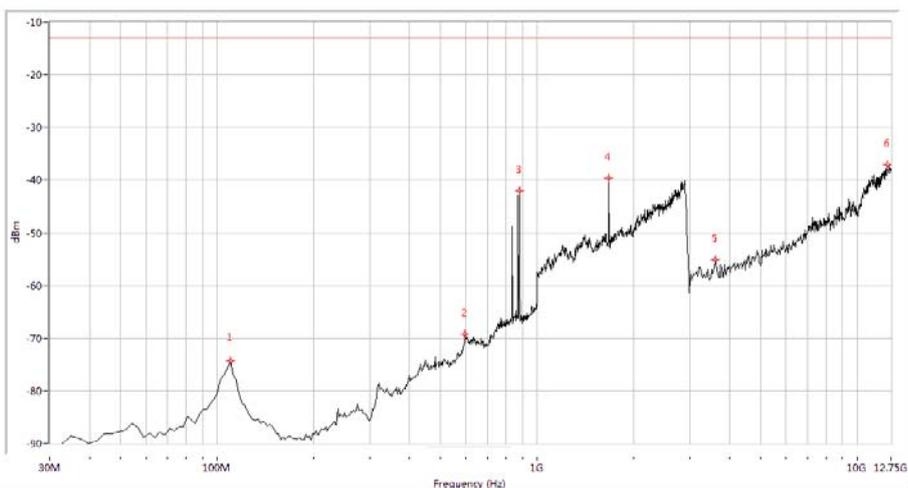
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.27	-13.0	52.3	-0.0	Vertical	<u>PASS</u>
112.244	-63.92	-13.0	50.9	173.5	Vertical	<u>PASS</u>
871.796	-38.56	-13.0	25.6	60.5	Vertical	<u>PASS</u>
1648.379	-25.56	-13.0	12.6	351.1	Vertical	<u>PASS</u>
2471.322	-36.92	-13.0	23.9	218.3	Vertical	<u>PASS</u>
11899.002	-36.42	-13.0	23.4	288.9	Vertical	<u>PASS</u>

(Plot C.2: EGPRS 850MHz Channel = 128, Test Antenna Vertical)



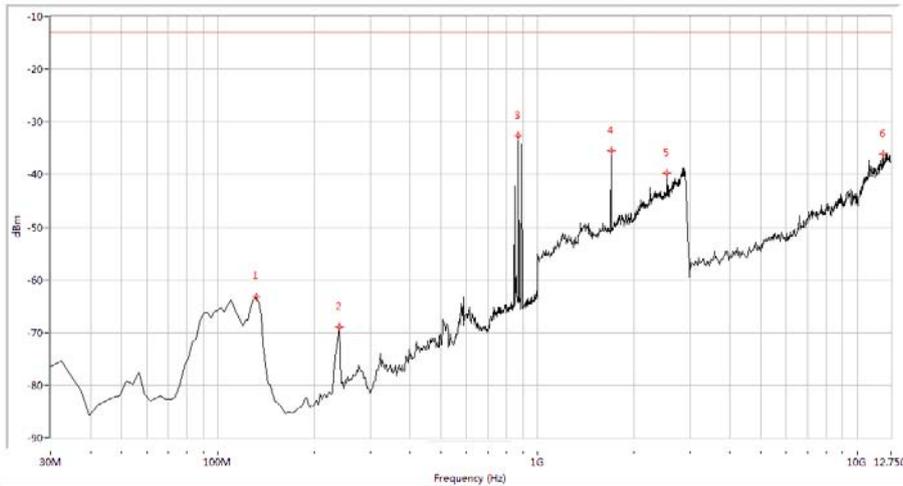
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-63.02	-13.0	50.0	239.3	Horizontal	<u>PASS</u>
240.449	-68.93	-13.0	55.9	151.5	Horizontal	<u>PASS</u>
871.796	-32.51	-13.0	19.5	131.0	Horizontal	<u>PASS</u>
1673.317	-31.99	-13.0	19.0	188.5	Horizontal	<u>PASS</u>
2506.234	-34.02	-13.0	21.0	222.7	Horizontal	<u>PASS</u>
11120.948	-36.79	-13.0	23.8	-0.0	Horizontal	<u>PASS</u>

(Plot C.3: EGPRS 850MHz Channel = 190, Test Antenna Horizontal)



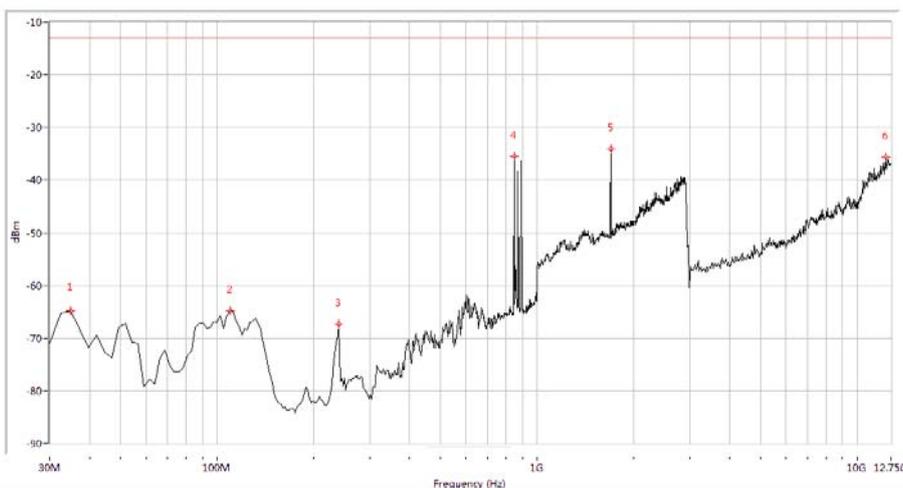
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-74.38	-13.0	61.4	152.0	Vertical	<u>PASS</u>
596.035	-69.17	-13.0	56.2	63.4	Vertical	<u>PASS</u>
879.052	-41.98	-13.0	29.0	62.8	Vertical	<u>PASS</u>
1673.317	-39.63	-13.0	26.6	214.6	Vertical	<u>PASS</u>
3607.855	-55.14	-13.0	42.1	9.5	Vertical	<u>PASS</u>
12433.915	-37.11	-13.0	24.1	57.1	Vertical	<u>PASS</u>

(Plot C.4: EGPRS 850MHz Channel = 190, Test Antenna Vertical)



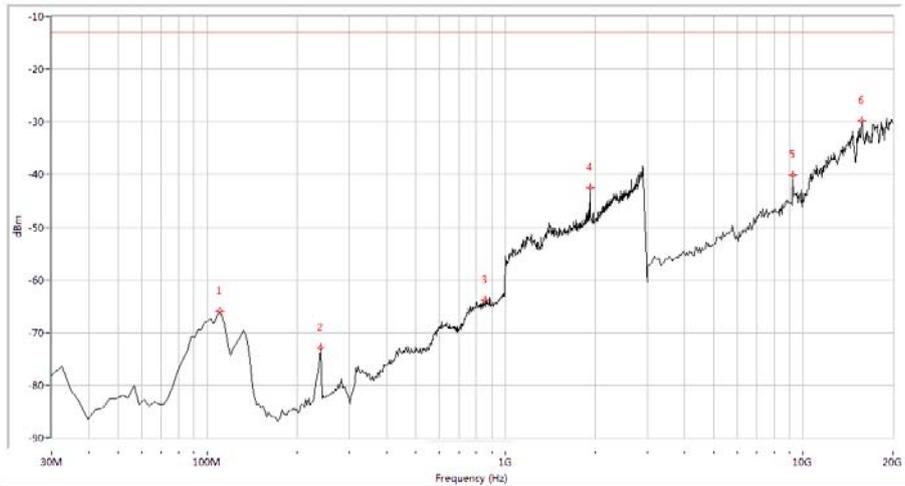
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
131.596	-63.22	-13.0	50.2	88.8	Horizontal	<u>PASS</u>
240.449	-68.88	-13.0	55.9	8.2	Horizontal	<u>PASS</u>
871.796	-32.66	-13.0	19.7	134.9	Horizontal	<u>PASS</u>
1698.254	-35.46	-13.0	22.5	40.2	Horizontal	<u>PASS</u>
2541.147	-39.78	-13.0	26.8	180.7	Horizontal	<u>PASS</u>
12044.888	-36.18	-13.0	23.2	72.1	Horizontal	<u>PASS</u>

(Plot C.5: EGPRS 850MHz Channel = 251, Test Antenna Horizontal)



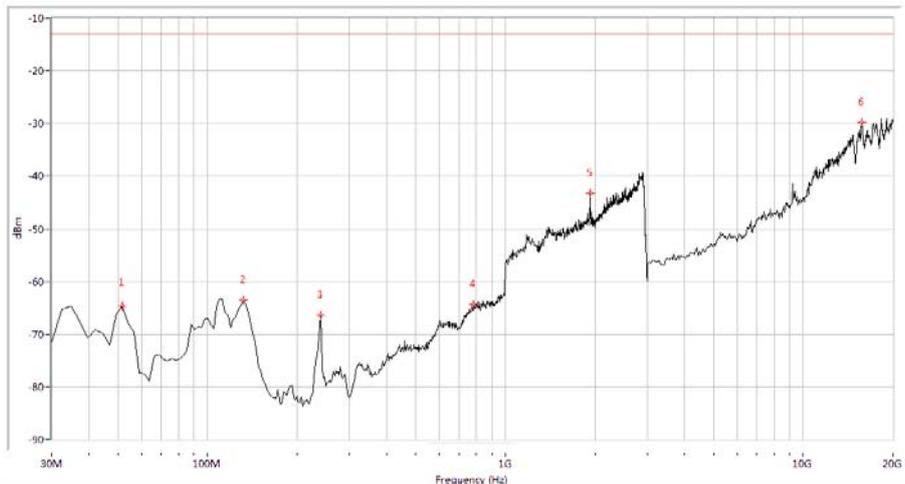
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-64.88	-13.0	51.9	352.7	Vertical	<u>PASS</u>
109.825	-64.75	-13.0	51.8	208.3	Vertical	<u>PASS</u>
240.449	-67.28	-13.0	54.3	256.7	Vertical	<u>PASS</u>
847.606	-35.58	-13.0	22.6	-0.0	Vertical	<u>PASS</u>
1698.254	-34.09	-13.0	21.1	163.5	Vertical	<u>PASS</u>
12263.716	-35.68	-13.0	22.7	-0.0	Vertical	<u>PASS</u>

(Plot C.6: EGPRS 850MHz Channel = 251, Test Antenna Vertical)



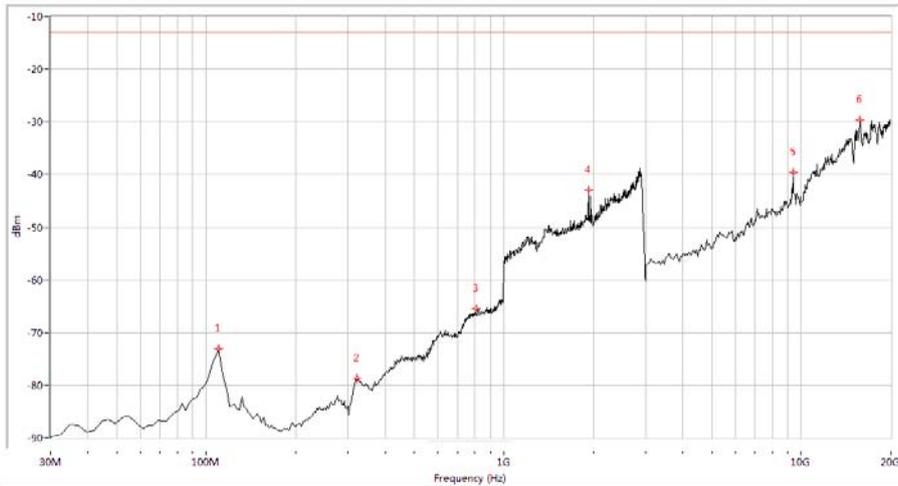
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-65.96	-13.0	53.0	245.9	Horizontal	<u>PASS</u>
240.449	-72.89	-13.0	59.9	26.1	Horizontal	<u>PASS</u>
857.282	-63.86	-13.0	50.9	140.6	Horizontal	<u>PASS</u>
1927.681	-42.52	-13.0	29.5	53.2	Horizontal	<u>PASS</u>
9231.920	-40.16	-13.0	27.2	360.0	Horizontal	<u>PASS</u>
15760.599	-29.74	-13.0	16.7	1.2	Horizontal	<u>PASS</u>

(Plot D.1: EGPRS 1900MHz Channel = 512, Test Antenna Horizontal)



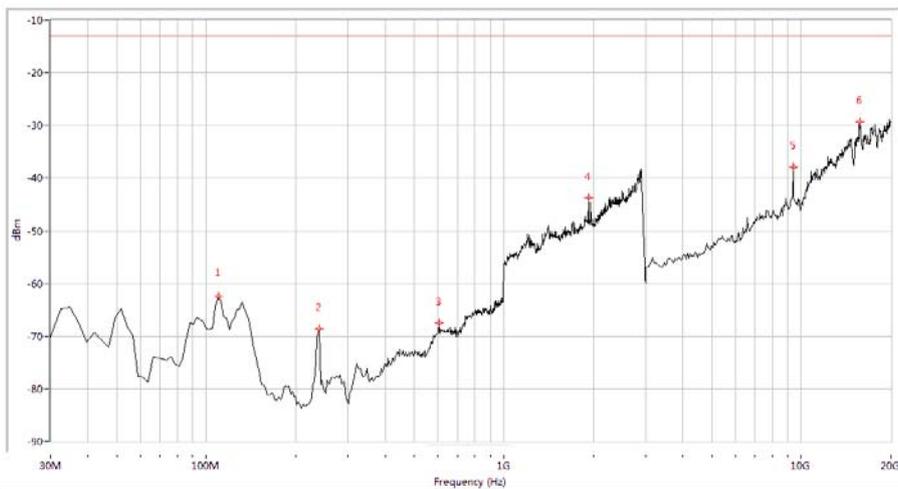
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-64.73	-13.0	51.7	-0.0	Vertical	<u>PASS</u>
131.596	-63.52	-13.0	50.5	143.1	Vertical	<u>PASS</u>
240.449	-66.39	-13.0	53.4	148.3	Vertical	<u>PASS</u>
784.713	-64.39	-13.0	51.4	72.4	Vertical	<u>PASS</u>
1927.681	-43.25	-13.0	30.2	54.3	Vertical	<u>PASS</u>
15760.599	-29.79	-13.0	16.8	328.7	Vertical	<u>PASS</u>

(Plot D.2: EGPRS 1900MHz Channel = 512, Test Antenna Vertical)



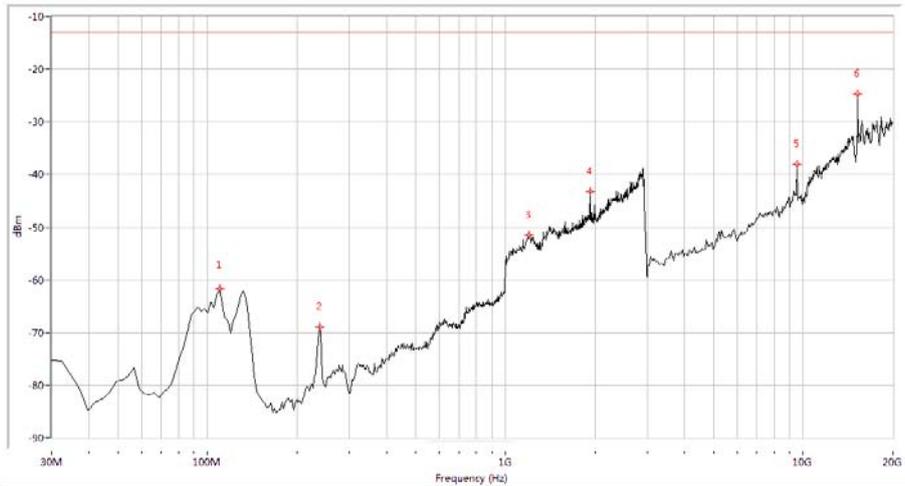
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.09	-13.0	60.1	178.7	Horizontal	<u>PASS</u>
320.274	-78.72	-13.0	65.7	215.8	Horizontal	<u>PASS</u>
806.484	-65.49	-13.0	52.5	358.1	Horizontal	<u>PASS</u>
1927.681	-42.93	-13.0	29.9	236.8	Horizontal	<u>PASS</u>
9401.496	-39.56	-13.0	26.6	355.8	Horizontal	<u>PASS</u>
15760.599	-29.64	-13.0	16.6	341.4	Horizontal	<u>PASS</u>

(Plot D.3: EGPRS 1900MHz Channel = 661, Test Antenna Horizontal)



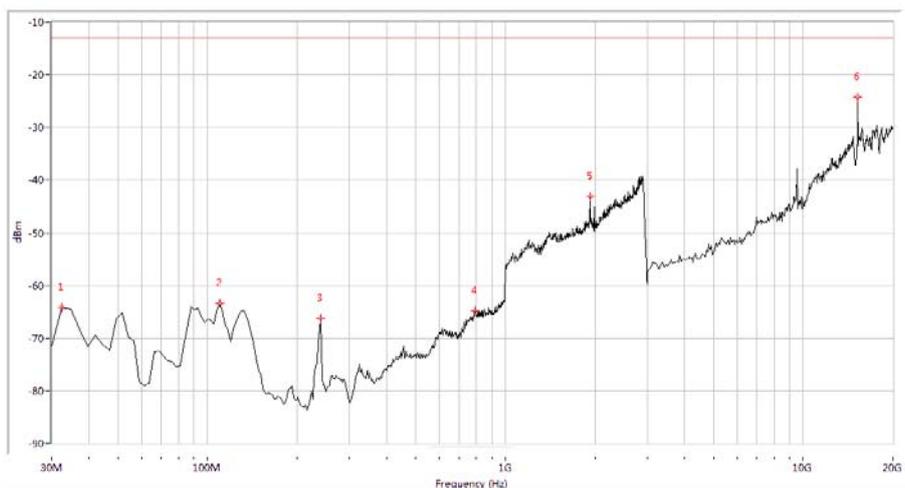
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-62.41	-13.0	49.4	194.4	Vertical	<u>PASS</u>
240.449	-68.54	-13.0	55.5	66.5	Vertical	<u>PASS</u>
605.711	-67.58	-13.0	54.6	232.3	Vertical	<u>PASS</u>
1927.681	-43.82	-13.0	30.8	55.5	Vertical	<u>PASS</u>
9401.496	-37.88	-13.0	24.9	10.3	Vertical	<u>PASS</u>
15760.599	-29.30	-13.0	16.3	180.6	Vertical	<u>PASS</u>

(Plot D.4: EGPRS 1900MHz Channel = 661, Test Antenna Vertical)



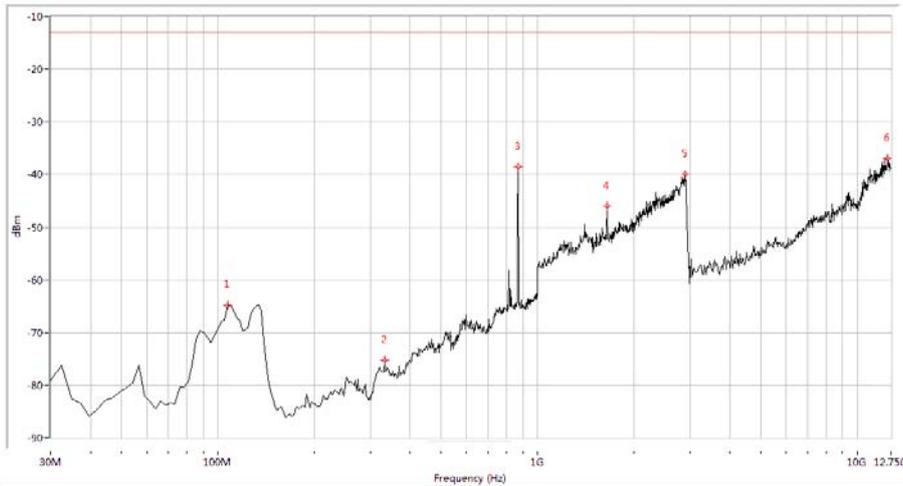
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-61.61	-13.0	48.6	290.4	Horizontal	<u>PASS</u>
238.030	-68.94	-13.0	55.9	25.8	Horizontal	<u>PASS</u>
1204.489	-51.56	-13.0	38.6	46.2	Horizontal	<u>PASS</u>
1927.681	-43.22	-13.0	30.2	49.6	Horizontal	<u>PASS</u>
9528.678	-37.96	-13.0	25.0	0.7	Horizontal	<u>PASS</u>
15251.870	-24.67	-13.0	11.7	351.2	Horizontal	<u>PASS</u>

(Plot D.5: EGPRS 1900MHz Channel = 810, Test Antenna Horizontal)



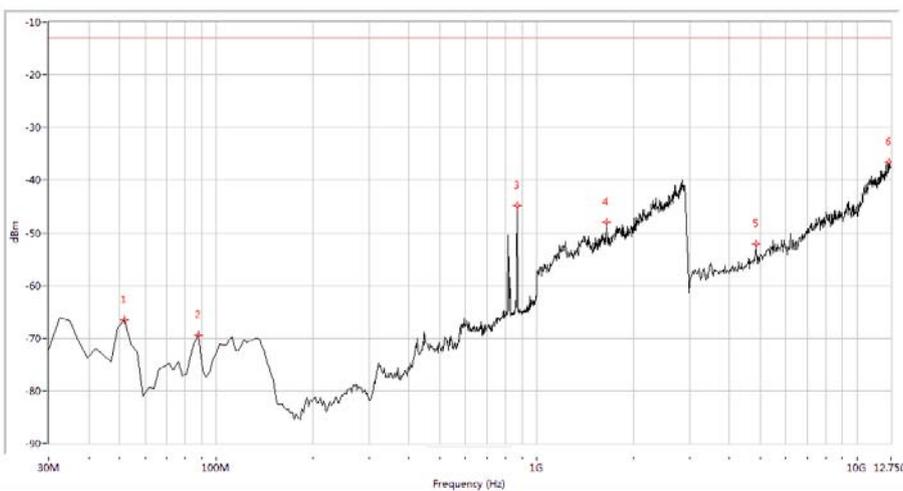
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
32.419	-64.25	-13.0	51.3	360.0	Vertical	<u>PASS</u>
109.825	-63.45	-13.0	50.4	214.7	Vertical	<u>PASS</u>
240.449	-66.30	-13.0	53.3	182.0	Vertical	<u>PASS</u>
791.970	-64.75	-13.0	51.8	117.3	Vertical	<u>PASS</u>
1927.681	-43.17	-13.0	30.2	233.0	Vertical	<u>PASS</u>
15251.870	-24.19	-13.0	11.2	344.8	Vertical	<u>PASS</u>

(Plot D.6: EGPRS 1900MHz Channel = 810, Test Antenna Vertical)



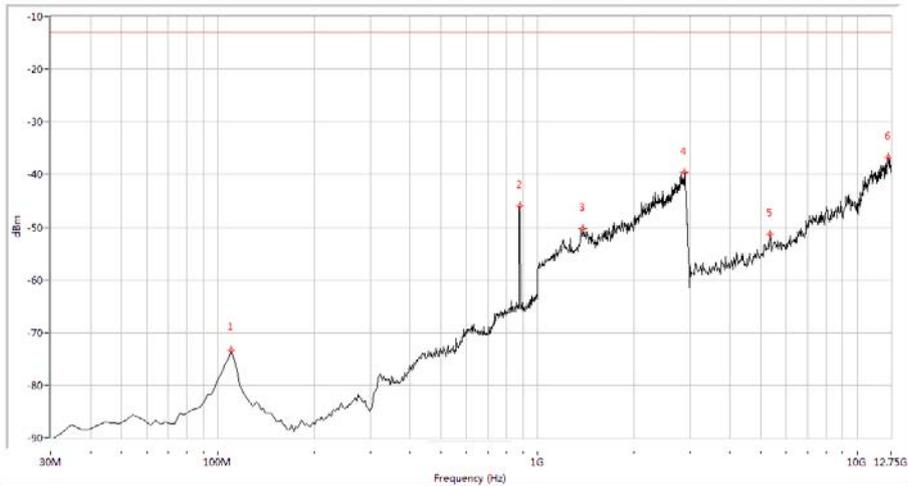
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-64.75	-13.0	51.7	125.6	Horizontal	<u>PASS</u>
332.369	-75.19	-13.0	62.2	320.2	Horizontal	<u>PASS</u>
871.796	-38.55	-13.0	25.6	214.7	Horizontal	<u>PASS</u>
1648.379	-45.94	-13.0	32.9	52.8	Horizontal	<u>PASS</u>
2890.274	-39.98	-13.0	27.0	2.0	Horizontal	<u>PASS</u>
12482.544	-36.90	-13.0	23.9	63.9	Horizontal	<u>PASS</u>

(Plot E.1: WCDMA 850MHz Channel = 4132, Test Antenna Horizontal)



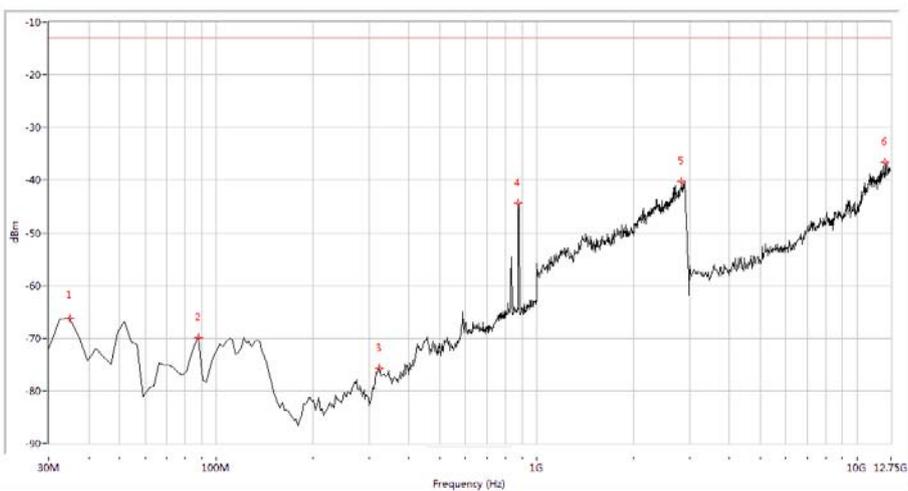
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-66.49	-13.0	53.5	63.4	Vertical	<u>PASS</u>
88.055	-69.47	-13.0	56.5	210.5	Vertical	<u>PASS</u>
871.796	-44.82	-13.0	31.8	96.4	Vertical	<u>PASS</u>
1648.379	-47.95	-13.0	35.0	123.1	Vertical	<u>PASS</u>
4847.880	-52.17	-13.0	39.2	52.3	Vertical	<u>PASS</u>
12628.429	-36.63	-13.0	23.6	323.7	Vertical	<u>PASS</u>

(Plot E.2: WCDMA 850MHz Channel = 4132, Test Antenna Vertical)



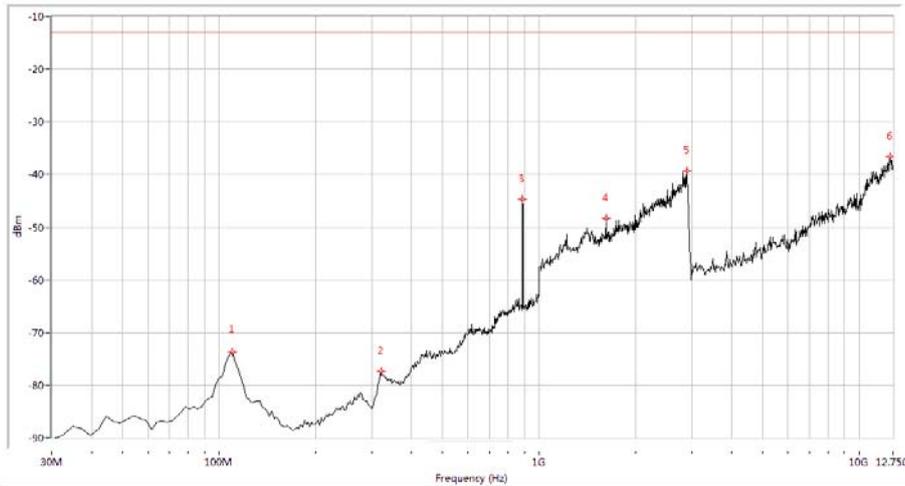
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.36	-13.0	60.4	74.3	Horizontal	<u>PASS</u>
879.052	-45.95	-13.0	33.0	152.6	Horizontal	<u>PASS</u>
1389.027	-50.21	-13.0	37.2	96.0	Horizontal	<u>PASS</u>
2885.287	-39.64	-13.0	26.6	214.2	Horizontal	<u>PASS</u>
5334.165	-51.38	-13.0	38.4	32.5	Horizontal	<u>PASS</u>
12555.486	-36.82	-13.0	23.8	0.0	Horizontal	<u>PASS</u>

(Plot E.3: WCDMA 850MHz Channel = 4175, Test Antenna Horizontal)



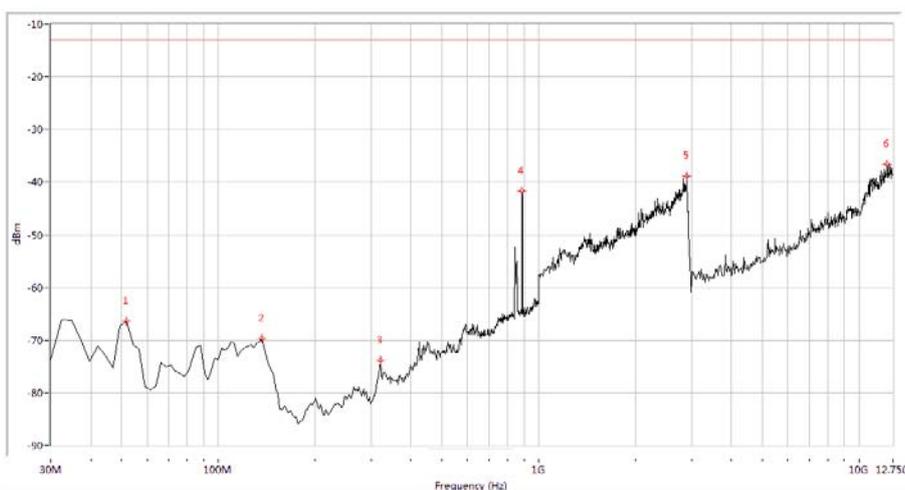
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-66.22	-13.0	53.2	0.0	Vertical	<u>PASS</u>
88.055	-69.90	-13.0	56.9	85.1	Vertical	<u>PASS</u>
322.693	-75.78	-13.0	62.8	162.3	Vertical	<u>PASS</u>
876.633	-44.34	-13.0	31.3	241.5	Vertical	<u>PASS</u>
2830.424	-40.25	-13.0	27.3	36.0	Vertical	<u>PASS</u>
12239.401	-36.60	-13.0	23.6	8.6	Vertical	<u>PASS</u>

(Plot E.4: WCDMA 850MHz Channel = 4175, Test Antenna Vertical)



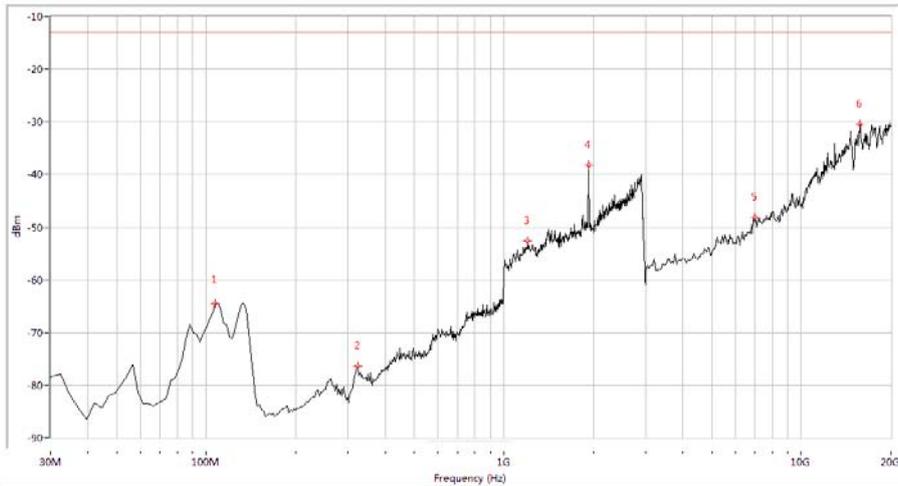
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.64	-13.0	60.6	15.2	Horizontal	<u>PASS</u>
320.274	-77.38	-13.0	64.4	63.4	Horizontal	<u>PASS</u>
888.728	-44.72	-13.0	31.7	98.1	Horizontal	<u>PASS</u>
1618.454	-48.37	-13.0	35.4	124.6	Horizontal	<u>PASS</u>
2900.249	-39.34	-13.0	26.3	241.0	Horizontal	<u>PASS</u>
12555.486	-36.55	-13.0	23.6	323.7	Horizontal	<u>PASS</u>

(Plot E.5: WCDMA 850MHz Channel = 4233, Test Antenna Horizontal)



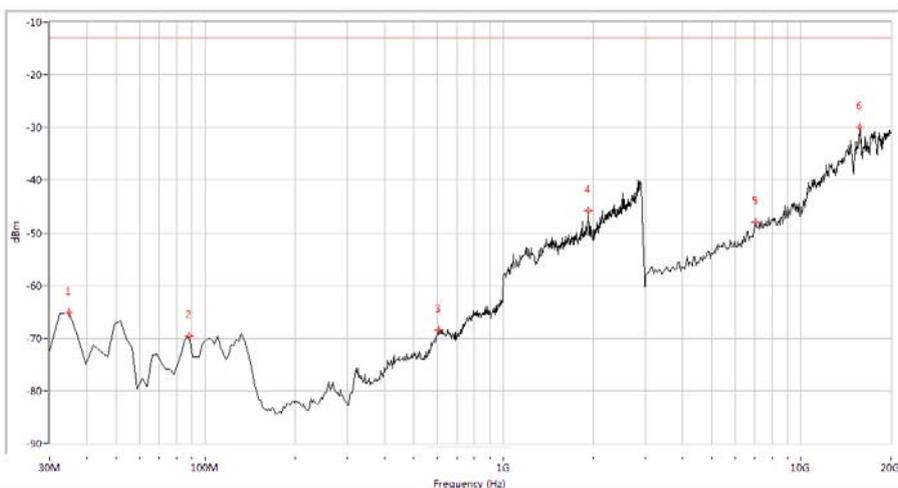
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-66.46	-13.0	53.5	152.0	Vertical	<u>PASS</u>
136.434	-69.67	-13.0	56.7	326.9	Vertical	<u>PASS</u>
320.274	-73.90	-13.0	60.9	74.8	Vertical	<u>PASS</u>
888.728	-41.74	-13.0	28.7	32.2	Vertical	<u>PASS</u>
2895.262	-38.81	-13.0	25.8	54.6	Vertical	<u>PASS</u>
12239.401	-36.57	-13.0	23.6	120.3	Vertical	<u>PASS</u>

(Plot E.6: WCDMA 850MHz Channel = 4233, Test Antenna Vertical)



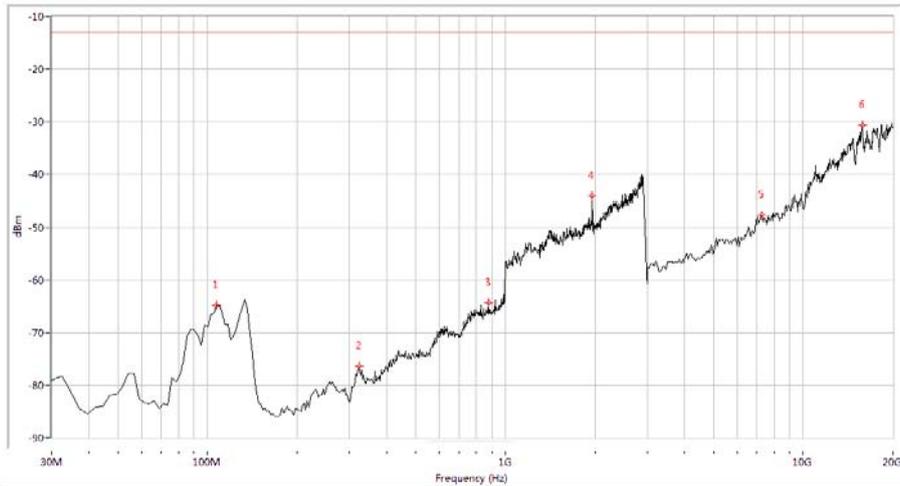
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-64.52	-13.0	51.5	63.1	Horizontal	<u>PASS</u>
322.693	-76.41	-13.0	63.4	152.2	Horizontal	<u>PASS</u>
1204.489	-52.69	-13.0	39.7	241.0	Horizontal	<u>PASS</u>
1927.681	-38.26	-13.0	25.3	302.7	Horizontal	<u>PASS</u>
6985.037	-48.16	-13.0	35.2	48.6	Horizontal	<u>PASS</u>
15760.599	-30.40	-13.0	17.4	120.4	Horizontal	<u>PASS</u>

(Plot F.1: WCDMA 1900MHz Channel = 9262, Test Antenna Horizontal)



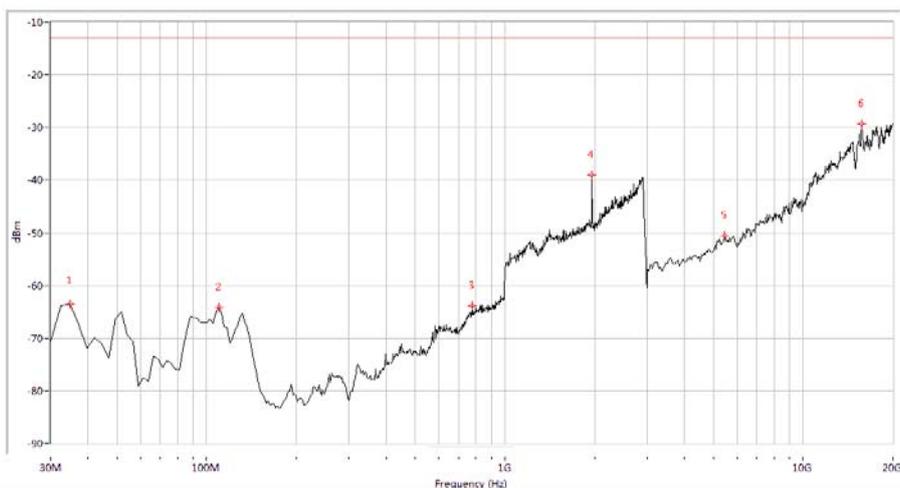
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.11	-13.0	52.1	3.6	Vertical	<u>PASS</u>
88.055	-69.50	-13.0	56.5	32.2	Vertical	<u>PASS</u>
605.711	-68.52	-13.0	55.5	151.4	Vertical	<u>PASS</u>
1927.681	-45.78	-13.0	32.8	85.7	Vertical	<u>PASS</u>
7027.431	-48.04	-13.0	35.0	162.5	Vertical	<u>PASS</u>
15760.599	-29.93	-13.0	16.9	2.4	Vertical	<u>PASS</u>

(Plot F.2: WCDMA 1900MHz Channel = 9262, Test Antenna Vertical)



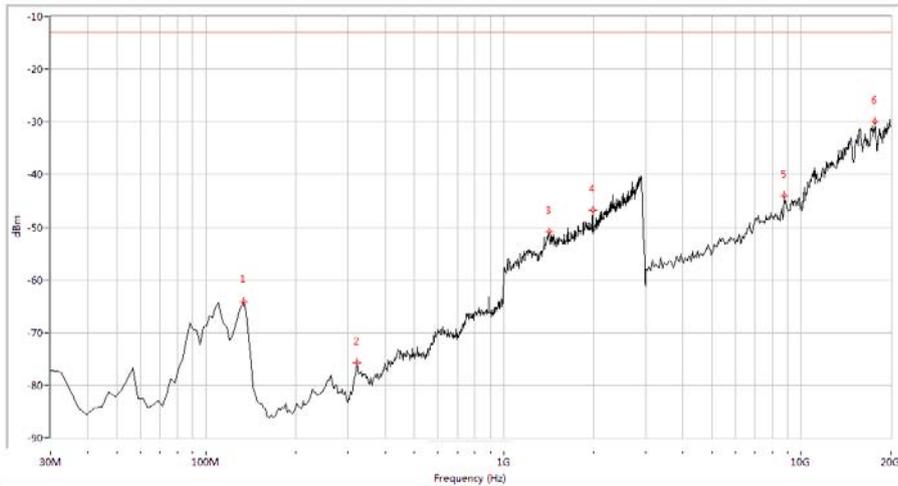
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-64.77	-13.0	51.8	165.3	Horizontal	<u>PASS</u>
322.693	-76.30	-13.0	63.3	42.9	Horizontal	<u>PASS</u>
876.633	-64.36	-13.0	51.4	174.1	Horizontal	<u>PASS</u>
1957.606	-44.11	-13.0	31.1	61.0	Horizontal	<u>PASS</u>
7239.401	-47.73	-13.0	34.7	5.2	Horizontal	<u>PASS</u>
15802.993	-30.61	-13.0	17.6	47.8	Horizontal	<u>PASS</u>

(Plot F.3: WCDMA 1900MHz Channel = 9400, Test Antenna Horizontal)



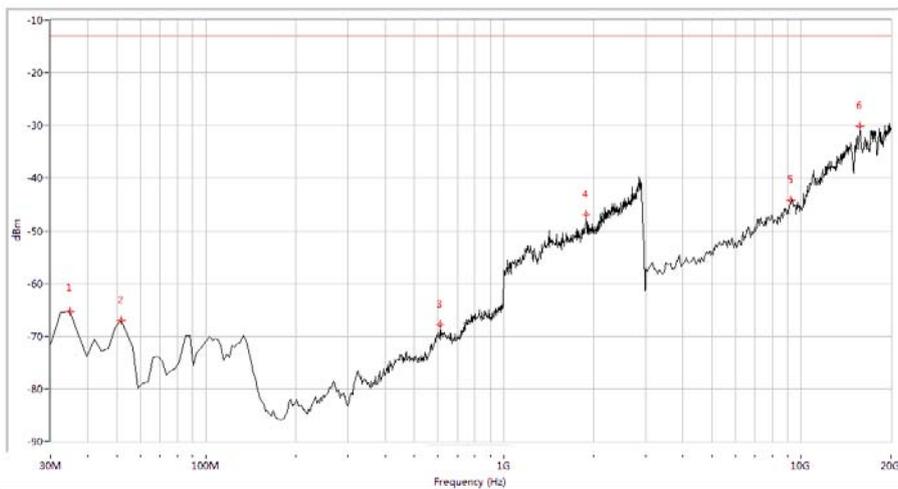
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-63.49	-13.0	50.5	360.0	Vertical	<u>PASS</u>
109.825	-64.19	-13.0	51.2	156.2	Vertical	<u>PASS</u>
777.456	-63.80	-13.0	50.8	171.8	Vertical	<u>PASS</u>
1957.606	-39.00	-13.0	26.0	161.6	Vertical	<u>PASS</u>
5458.853	-50.58	-13.0	37.6	109.1	Vertical	<u>PASS</u>
15718.204	-29.27	-13.0	16.3	360.0	Vertical	<u>PASS</u>

(Plot F.4: WCDMA 1900MHz Channel = 9400, Test Antenna Vertical)



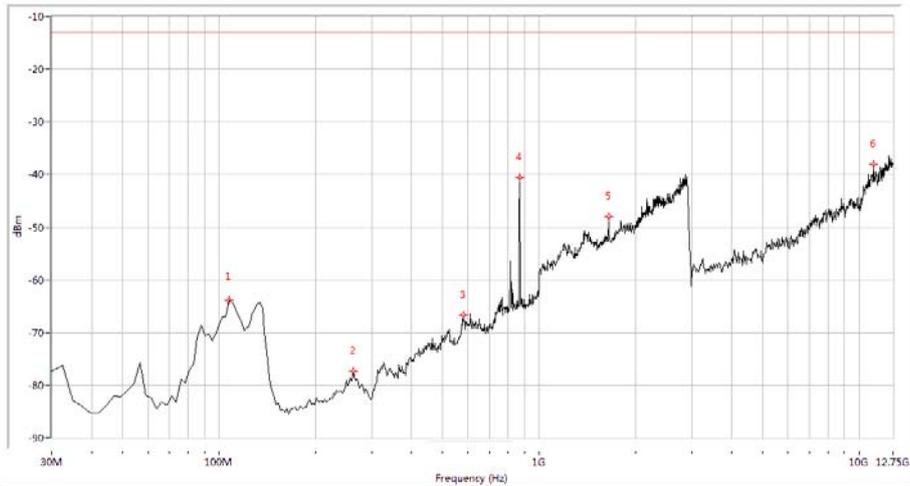
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
134.015	-64.14	-13.0	51.1	152.6	Horizontal	<u>PASS</u>
320.274	-75.79	-13.0	62.8	74.1	Horizontal	<u>PASS</u>
1418.953	-50.92	-13.0	37.9	142.0	Horizontal	<u>PASS</u>
1987.531	-46.78	-13.0	33.8	74.8	Horizontal	<u>PASS</u>
8765.586	-44.07	-13.0	31.1	5.4	Horizontal	<u>PASS</u>
17668.329	-29.98	-13.0	17.0	20.1	Horizontal	<u>PASS</u>

(Plot F.5: WCDMA 1900MHz Channel = 9538, Test Antenna Horizontal)



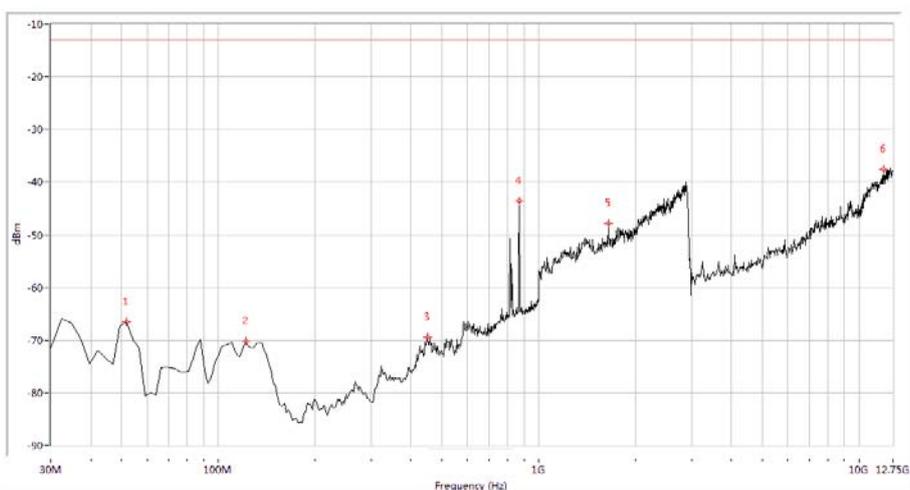
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.26	-13.0	52.3	152.6	Vertical	<u>PASS</u>
51.771	-66.97	-13.0	54.0	321.2	Vertical	<u>PASS</u>
612.968	-67.79	-13.0	54.8	141.8	Vertical	<u>PASS</u>
1897.756	-46.97	-13.0	34.0	165.4	Vertical	<u>PASS</u>
9231.920	-44.15	-13.0	31.2	20.1	Vertical	<u>PASS</u>
15760.599	-30.16	-13.0	17.2	68.7	Vertical	<u>PASS</u>

(Plot F.6: WCDMA 1900MHz Channel = 9538, Test Antenna Vertical)



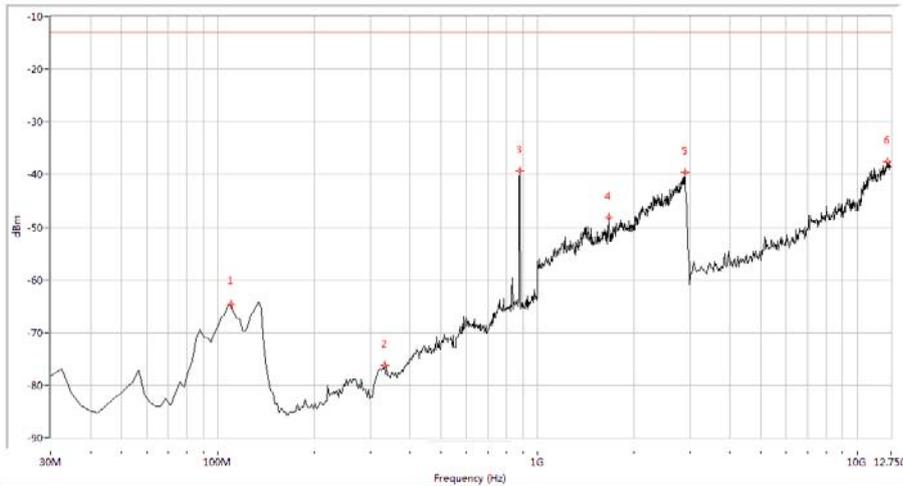
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-63.94	-13.0	50.9	152.2	Horizontal	<u>PASS</u>
262.219	-77.25	-13.0	64.3	41.6	Horizontal	<u>PASS</u>
579.102	-66.66	-13.0	53.7	98.7	Horizontal	<u>PASS</u>
871.796	-40.58	-13.0	27.6	232.0	Horizontal	<u>PASS</u>
1648.379	-48.09	-13.0	35.1	121.4	Horizontal	<u>PASS</u>
11120.948	-38.01	-13.0	25.0	62.3	Horizontal	<u>PASS</u>

(Plot G.1: HSDPA 850MHz Channel = 4132, Test Antenna Horizontal)



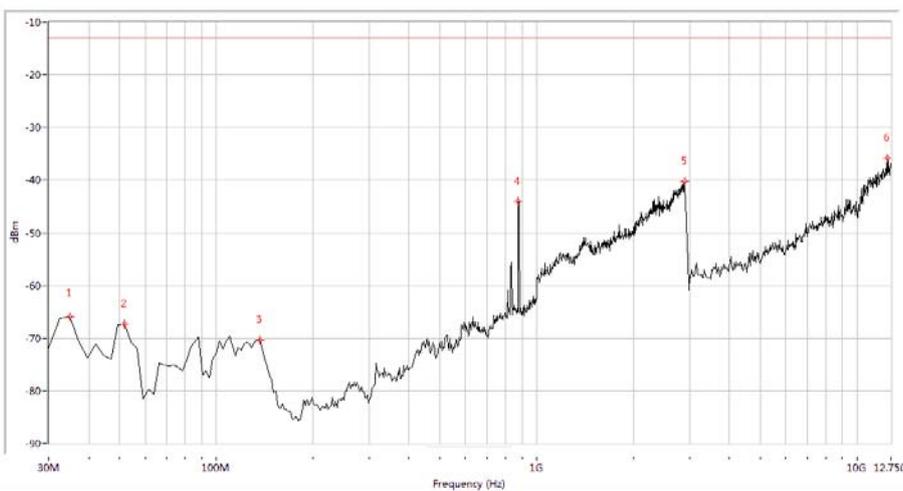
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-66.57	-13.0	53.6	62.3	Vertical	<u>PASS</u>
121.920	-70.27	-13.0	57.3	154.8	Vertical	<u>PASS</u>
450.898	-69.34	-13.0	56.3	233.1	Vertical	<u>PASS</u>
871.796	-43.65	-13.0	30.7	20.0	Vertical	<u>PASS</u>
1648.379	-47.94	-13.0	34.9	9.4	Vertical	<u>PASS</u>
11923.317	-37.57	-13.0	24.6	320.7	Vertical	<u>PASS</u>

(Plot G.2: HSDPA 850MHz Channel = 4132, Test Antenna Vertical)



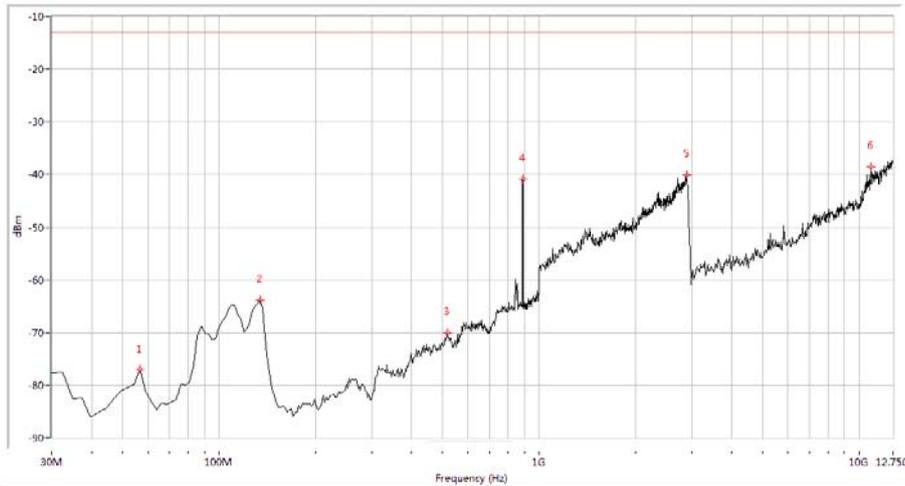
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-64.72	-13.0	51.7	25.1	Horizontal	<u>PASS</u>
332.369	-76.26	-13.0	63.3	63.5	Horizontal	<u>PASS</u>
879.052	-39.32	-13.0	26.3	126.7	Horizontal	<u>PASS</u>
1673.317	-48.24	-13.0	35.2	321.8	Horizontal	<u>PASS</u>
2890.274	-39.69	-13.0	26.7	141.0	Horizontal	<u>PASS</u>
12458.229	-37.49	-13.0	24.5	46.4	Horizontal	<u>PASS</u>

(Plot G.3: HSDPA 850MHz Channel = 4175, Test Antenna Horizontal)



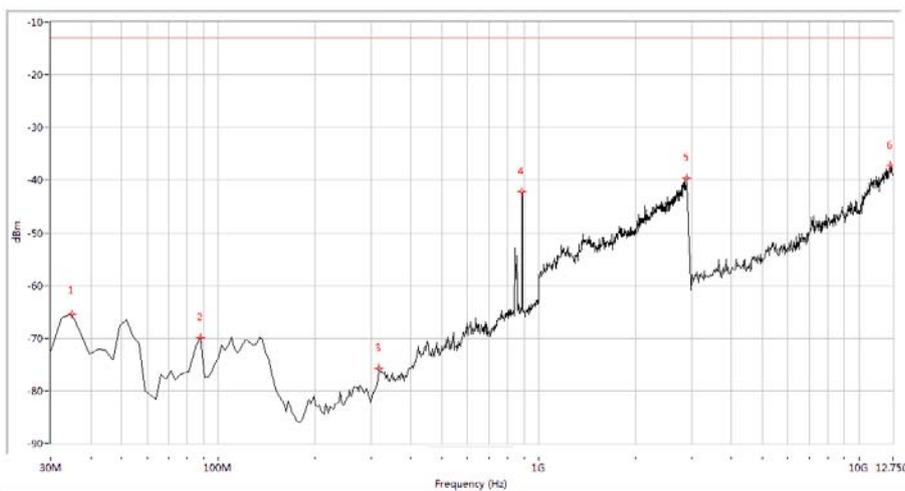
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.99	-13.0	53.0	154.2	Vertical	<u>PASS</u>
51.771	-67.41	-13.0	54.4	263.1	Vertical	<u>PASS</u>
136.434	-70.39	-13.0	57.4	96.4	Vertical	<u>PASS</u>
876.633	-44.06	-13.0	31.1	165.0	Vertical	<u>PASS</u>
2890.274	-40.33	-13.0	27.3	74.8	Vertical	<u>PASS</u>
12458.229	-35.86	-13.0	22.9	11.3	Vertical	<u>PASS</u>

(Plot G.4: HSDPA 850MHz Channel = 4175, Test Antenna Vertical)



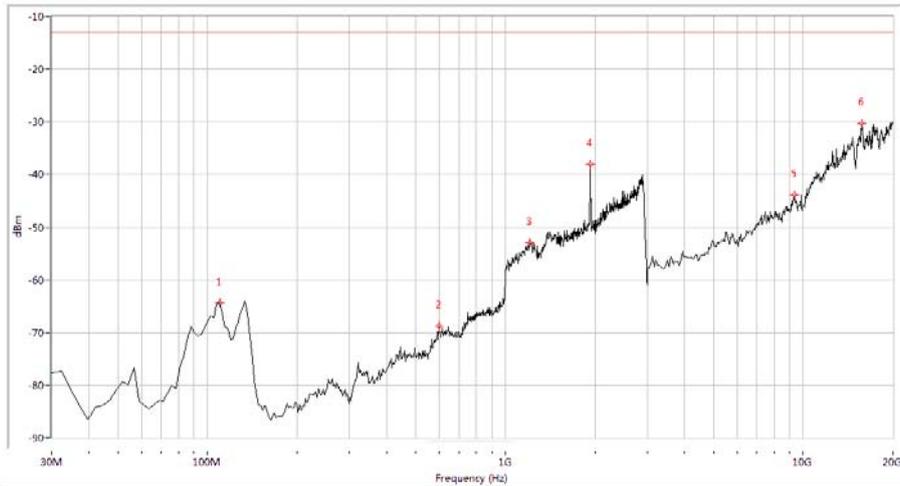
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
56.608	-77.02	-13.0	64.0	63.2	Horizontal	<u>PASS</u>
134.015	-63.86	-13.0	50.9	125.3	Horizontal	<u>PASS</u>
516.209	-70.10	-13.0	57.1	320.4	Horizontal	<u>PASS</u>
891.147	-40.91	-13.0	27.9	141.7	Horizontal	<u>PASS</u>
2900.249	-40.10	-13.0	27.1	58.9	Horizontal	<u>PASS</u>
10902.120	-38.56	-13.0	25.6	2.6	Horizontal	<u>PASS</u>

(Plot G.5: HSDPA 850MHz Channel = 4233, Test Antenna Horizontal)



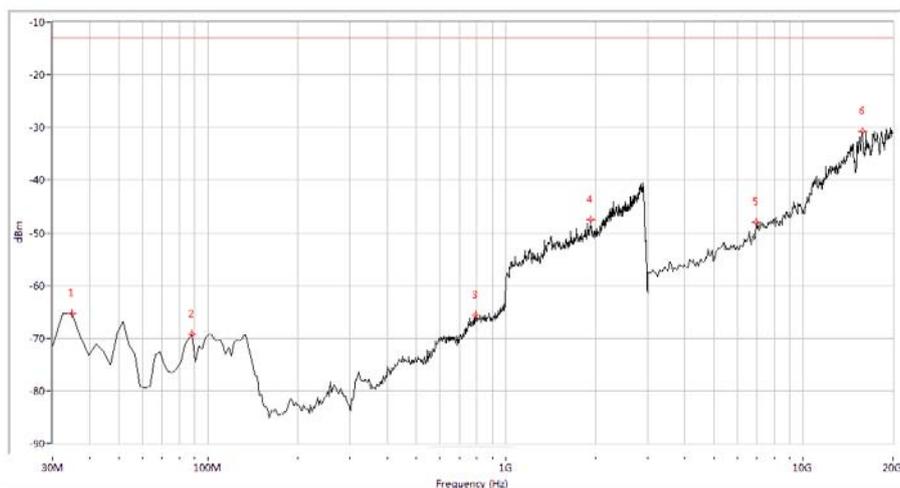
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.52	-13.0	52.5	15.2	Vertical	<u>PASS</u>
88.055	-69.82	-13.0	56.8	30.6	Vertical	<u>PASS</u>
317.855	-75.80	-13.0	62.8	41.8	Vertical	<u>PASS</u>
888.728	-42.15	-13.0	29.2	152.6	Vertical	<u>PASS</u>
2895.262	-39.68	-13.0	26.7	214.9	Vertical	<u>PASS</u>
12555.486	-37.26	-13.0	24.3	20.3	Vertical	<u>PASS</u>

(Plot G.6: HSDPA 850MHz Channel = 4233, Test Antenna Vertical)



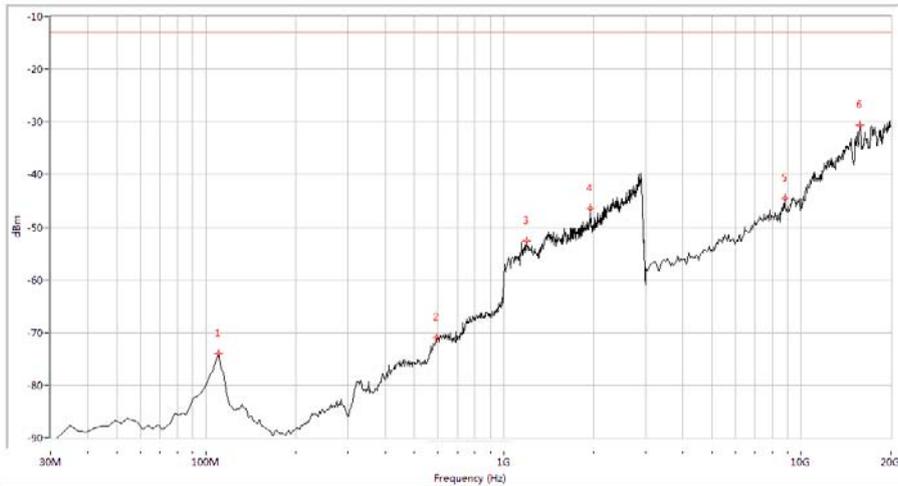
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-64.31	-13.0	51.3	63.2	Horizontal	<u>PASS</u>
598.454	-68.76	-13.0	55.8	123.5	Horizontal	<u>PASS</u>
1209.476	-52.95	-13.0	40.0	74.6	Horizontal	<u>PASS</u>
1932.668	-38.08	-13.0	25.1	181.4	Horizontal	<u>PASS</u>
9359.102	-43.96	-13.0	31.0	30.1	Horizontal	<u>PASS</u>
15718.204	-30.35	-13.0	17.4	241.7	Horizontal	<u>PASS</u>

(Plot H.1: HSDPA 1900 MHz Channel = 9262, Test Antenna Horizontal)



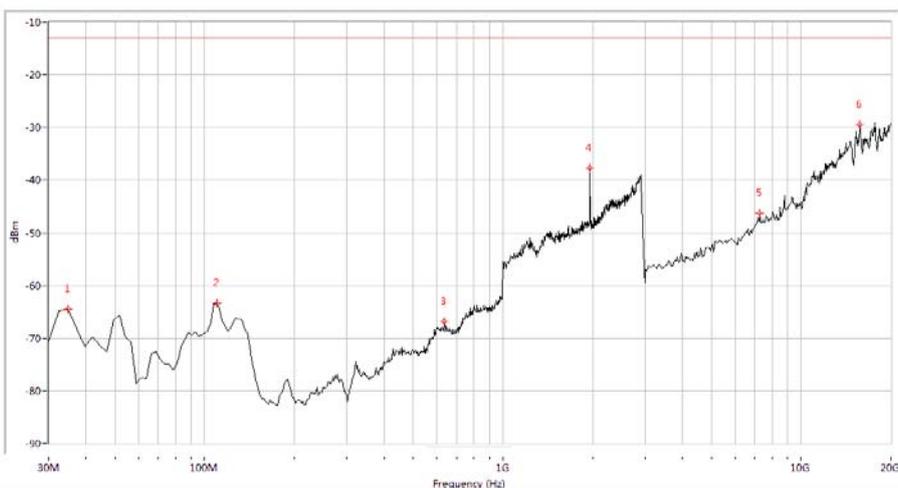
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.30	-13.0	52.3	36.2	Vertical	<u>PASS</u>
88.055	-69.24	-13.0	56.2	151.9	Vertical	<u>PASS</u>
794.389	-65.61	-13.0	52.6	52.4	Vertical	<u>PASS</u>
1932.668	-47.60	-13.0	34.6	232.5	Vertical	<u>PASS</u>
6942.643	-48.09	-13.0	35.1	146.7	Vertical	<u>PASS</u>
15802.993	-30.77	-13.0	17.8	65.1	Vertical	<u>PASS</u>

(Plot H.2: HSDPA 1900 MHz Channel = 9262, Test Antenna Vertical)



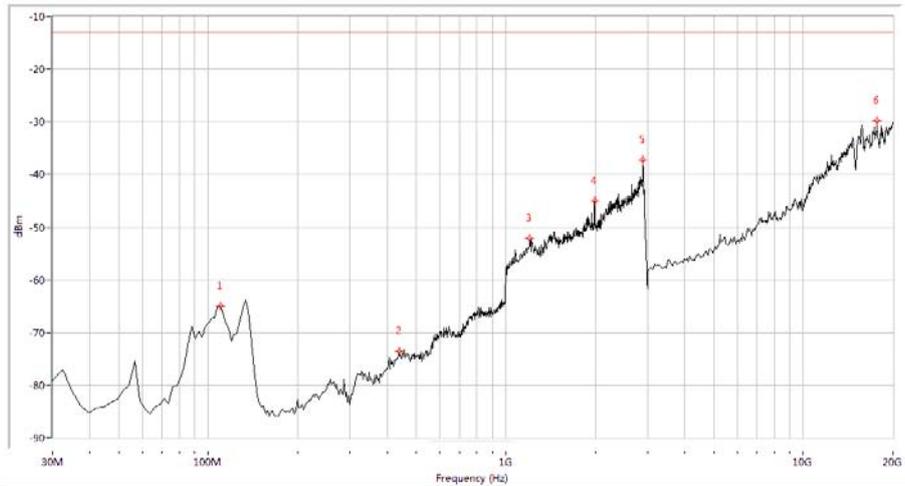
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-74.06	-13.0	61.1	162.3	Horizontal	<u>PASS</u>
593.616	-70.96	-13.0	58.0	5.4	Horizontal	<u>PASS</u>
1189.526	-52.58	-13.0	39.6	32.0	Horizontal	<u>PASS</u>
1957.606	-46.37	-13.0	33.4	2.5	Horizontal	<u>PASS</u>
8807.980	-44.53	-13.0	31.5	161.9	Horizontal	<u>PASS</u>
15760.599	-30.57	-13.0	17.6	4.6	Horizontal	<u>PASS</u>

(Plot H.3: HSDPA 1900 MHz Channel = 9400, Test Antenna Horizontal)



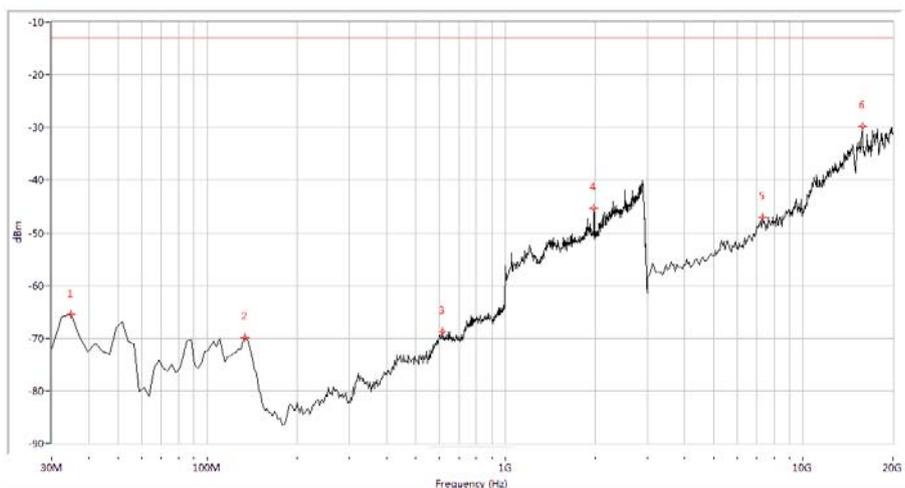
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-64.46	-13.0	51.5	105.1	Vertical	<u>PASS</u>
109.825	-63.42	-13.0	50.4	199.2	Vertical	<u>PASS</u>
637.157	-66.83	-13.0	53.8	216.3	Vertical	<u>PASS</u>
1957.606	-37.75	-13.0	24.8	235.9	Vertical	<u>PASS</u>
7281.796	-46.26	-13.0	33.3	191.1	Vertical	<u>PASS</u>
15760.599	-29.56	-13.0	16.6	-0.0	Vertical	<u>PASS</u>

(Plot H.4: HSDPA 1900 MHz Channel = 9400, Test Antenna Vertical)



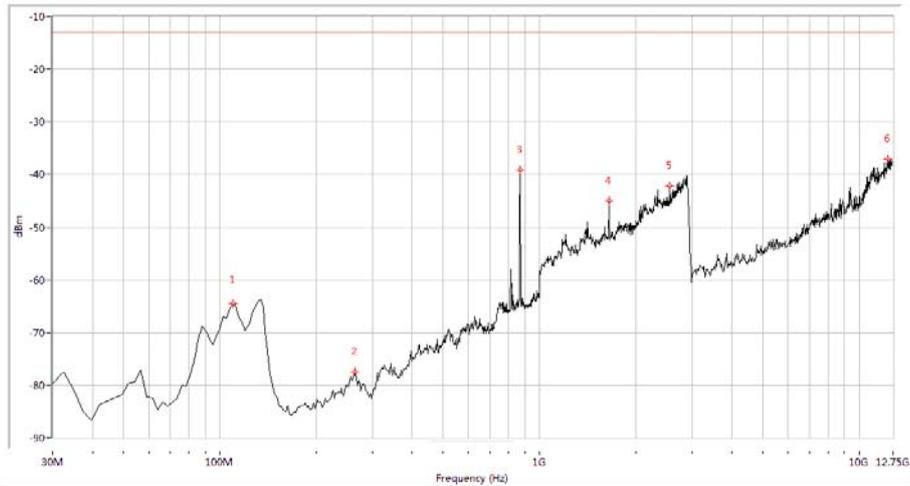
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-65.03	-13.0	52.0	15.6	Horizontal	<u>PASS</u>
438.803	-73.58	-13.0	60.6	32.1	Horizontal	<u>PASS</u>
1204.489	-52.18	-13.0	39.2	152.3	Horizontal	<u>PASS</u>
1987.531	-45.05	-13.0	32.1	24.7	Horizontal	<u>PASS</u>
2895.262	-37.25	-13.0	24.3	152.0	Horizontal	<u>PASS</u>
17668.329	-29.87	-13.0	16.9	96.7	Horizontal	<u>PASS</u>

(Plot H.5: HSDPA 1900 MHz Channel = 9538, Test Antenna Horizontal)



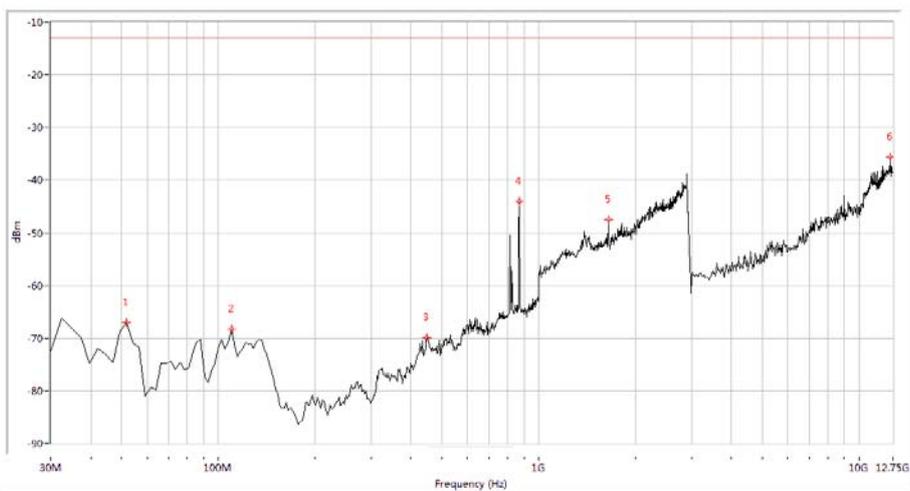
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.49	-13.0	52.5	36.9	Vertical	<u>PASS</u>
134.015	-69.82	-13.0	56.8	152.6	Vertical	<u>PASS</u>
615.387	-68.83	-13.0	55.8	147.1	Vertical	<u>PASS</u>
1982.544	-45.31	-13.0	32.3	20.5	Vertical	<u>PASS</u>
7324.190	-47.03	-13.0	34.0	1.8	Vertical	<u>PASS</u>
15802.993	-29.80	-13.0	16.8	115.8	Vertical	<u>PASS</u>

(Plot H.6: HSDPA 1900 MHz Channel = 9538, Test Antenna Vertical)



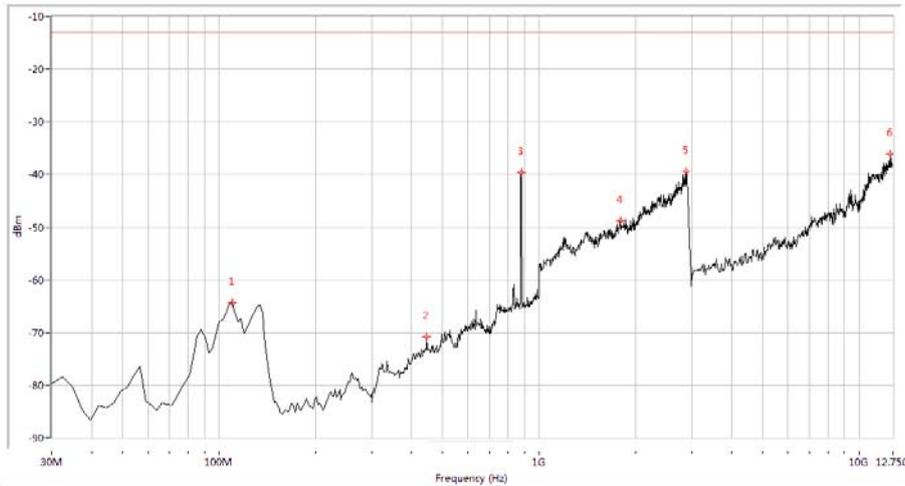
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-64.52	-13.0	51.5	12.6	Horizontal	<u>PASS</u>
264.638	-77.51	-13.0	64.5	232.1	Horizontal	<u>PASS</u>
869.377	-39.13	-13.0	26.1	151.4	Horizontal	<u>PASS</u>
1648.379	-45.09	-13.0	32.1	85.9	Horizontal	<u>PASS</u>
2556.110	-42.14	-13.0	29.1	26.4	Horizontal	<u>PASS</u>
12288.030	-37.05	-13.0	24.1	0.0	Horizontal	<u>PASS</u>

(Plot I.1: HSUPA 850MHz Channel = 4132, Test Antenna Horizontal)



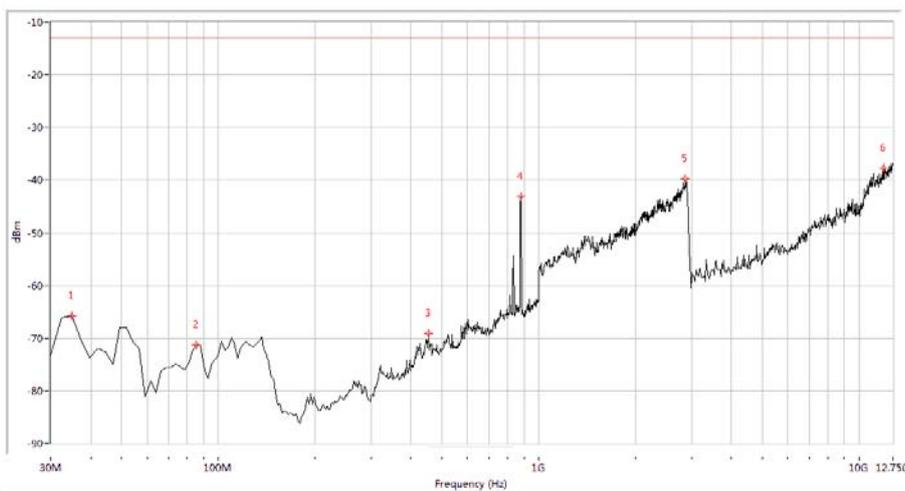
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-67.00	-13.0	54.0	63.2	Vertical	<u>PASS</u>
109.825	-68.28	-13.0	55.3	162.1	Vertical	<u>PASS</u>
448.479	-69.83	-13.0	56.8	44.5	Vertical	<u>PASS</u>
869.377	-44.00	-13.0	31.0	232.8	Vertical	<u>PASS</u>
1648.379	-47.55	-13.0	34.6	96.7	Vertical	<u>PASS</u>
12555.486	-35.67	-13.0	22.7	151.0	Vertical	<u>PASS</u>

(Plot I.2: HSUPA 850 MHz Channel = 4132, Test Antenna Vertical)



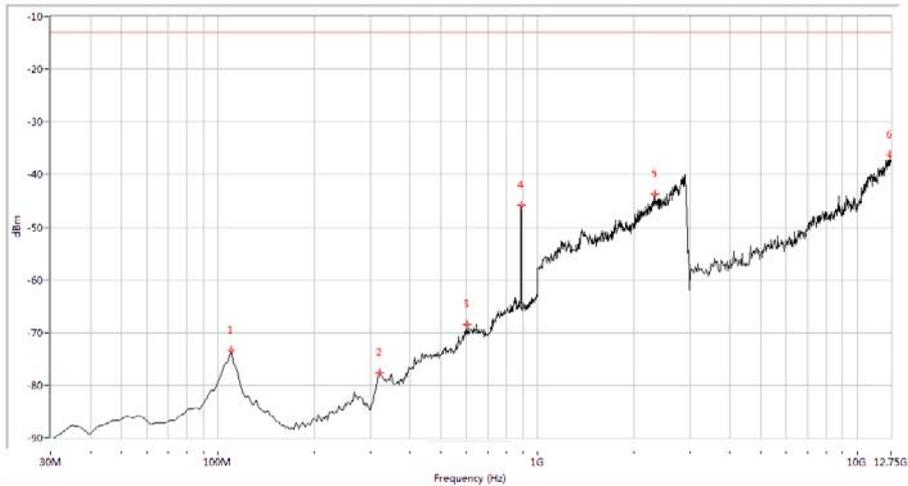
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-64.29	-13.0	51.3	151.2	Horizontal	<u>PASS</u>
446.060	-70.83	-13.0	57.8	32.6	Horizontal	<u>PASS</u>
879.052	-39.56	-13.0	26.6	78.4	Horizontal	<u>PASS</u>
1802.993	-48.78	-13.0	35.8	269.4	Horizontal	<u>PASS</u>
2880.299	-39.52	-13.0	26.5	41.3	Horizontal	<u>PASS</u>
12555.486	-36.20	-13.0	23.2	325.0	Horizontal	<u>PASS</u>

(Plot I.3: HSUPA 850MHz Channel = 4175, Test Antenna Horizontal)



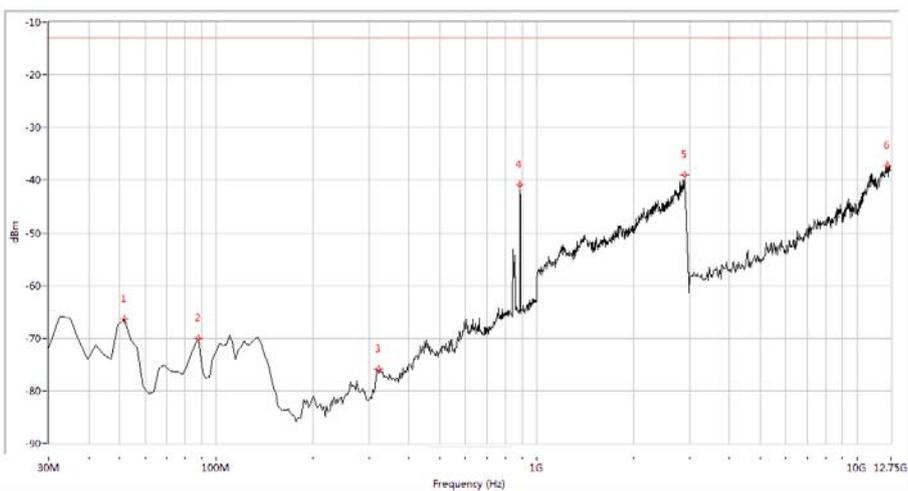
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.73	-13.0	52.7	162.1	Vertical	<u>PASS</u>
85.636	-71.28	-13.0	58.3	74.6	Vertical	<u>PASS</u>
453.317	-69.05	-13.0	56.0	98.1	Vertical	<u>PASS</u>
879.052	-43.18	-13.0	30.2	242.3	Vertical	<u>PASS</u>
2865.337	-39.79	-13.0	26.8	320.8	Vertical	<u>PASS</u>
11899.002	-37.79	-13.0	24.8	41.7	Vertical	<u>PASS</u>

(Plot I.4: HSUPA 850MHz Channel = 4175, Test Antenna Vertical)



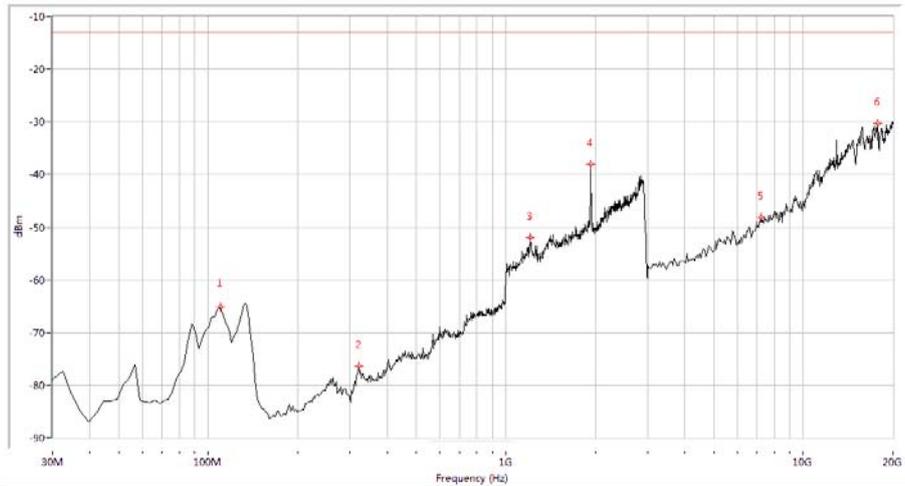
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-73.30	-13.0	60.3	63.4	Horizontal	<u>PASS</u>
320.274	-77.68	-13.0	64.7	123.2	Horizontal	<u>PASS</u>
600.873	-68.45	-13.0	55.4	338.7	Horizontal	<u>PASS</u>
891.147	-45.84	-13.0	32.8	156.9	Horizontal	<u>PASS</u>
2331.671	-43.79	-13.0	30.8	41.0	Horizontal	<u>PASS</u>
12677.057	-36.27	-13.0	23.3	85.8	Horizontal	<u>PASS</u>

(Plot I.5: HSUPA 850MHz Channel = 4233, Test Antenna Horizontal)



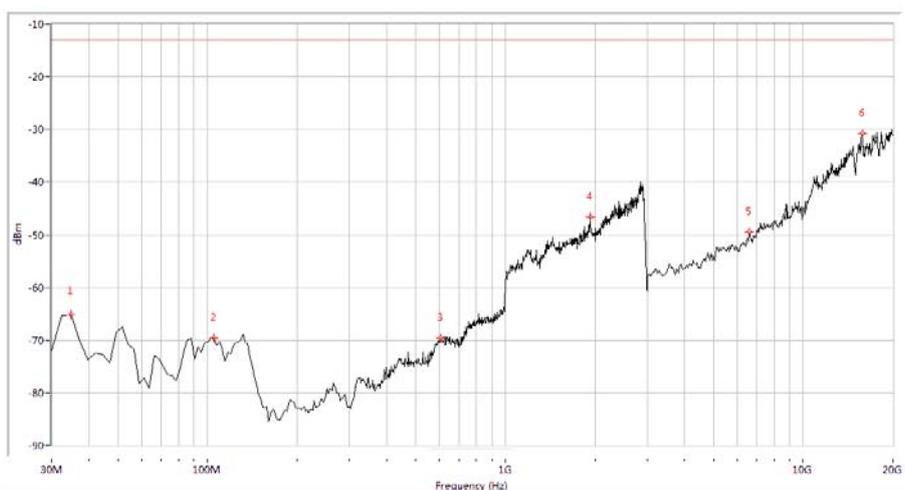
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
51.771	-66.41	-13.0	53.4	152.6	Vertical	<u>PASS</u>
88.055	-70.03	-13.0	57.0	203.1	Vertical	<u>PASS</u>
320.274	-75.94	-13.0	62.9	52.6	Vertical	<u>PASS</u>
888.728	-40.94	-13.0	27.9	71.8	Vertical	<u>PASS</u>
2890.274	-38.97	-13.0	26.0	200.9	Vertical	<u>PASS</u>
12409.601	-37.30	-13.0	24.3	30.5	Vertical	<u>PASS</u>

(Plot I.6: HSUPA 850MHz Channel = 4233, Test Antenna Vertical)



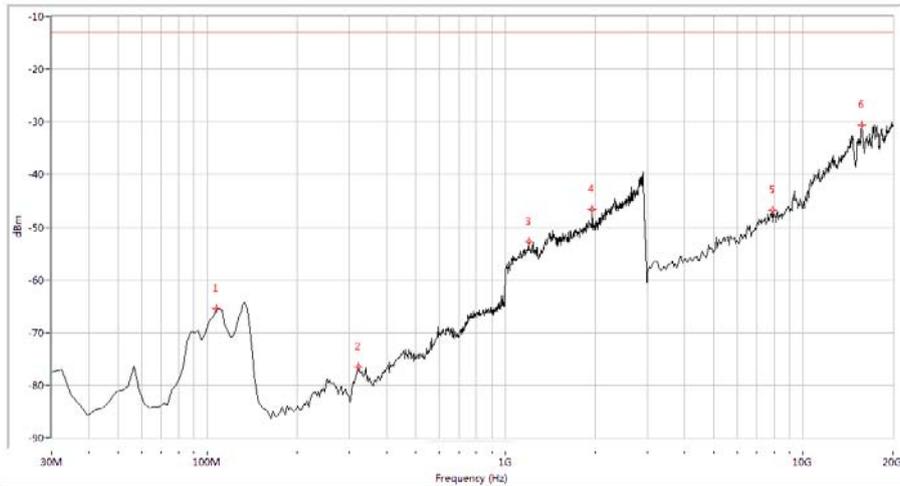
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-65.06	-13.0	52.1	141.9	Horizontal	<u>PASS</u>
320.274	-76.31	-13.0	63.3	42.6	Horizontal	<u>PASS</u>
1209.476	-52.02	-13.0	39.0	320.7	Horizontal	<u>PASS</u>
1932.668	-38.10	-13.0	25.1	151.5	Horizontal	<u>PASS</u>
7197.007	-48.18	-13.0	35.2	161.0	Horizontal	<u>PASS</u>
17795.511	-30.28	-13.0	17.3	63.3	Horizontal	<u>PASS</u>

(Plot J.1: HSUPA 1900 MHz Channel = 9262, Test Antenna Horizontal)



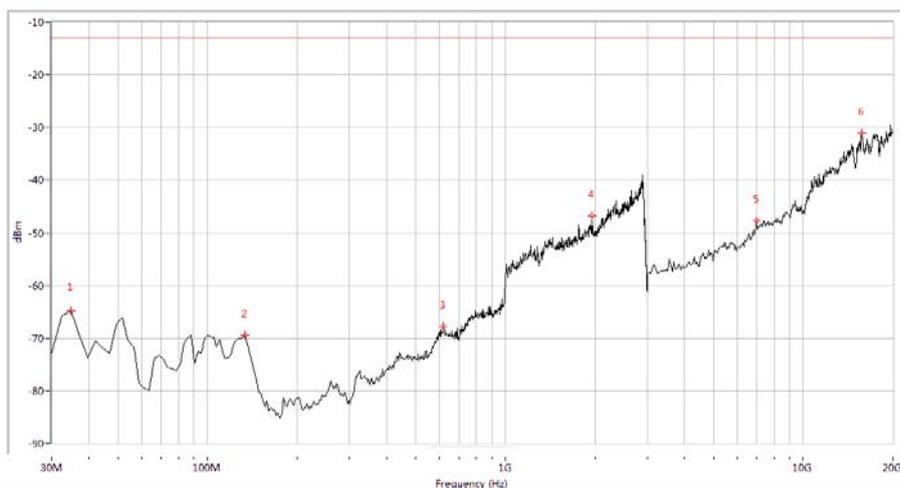
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.05	-13.0	52.1	151.0	Vertical	<u>PASS</u>
104.988	-69.55	-13.0	56.5	242.3	Vertical	<u>PASS</u>
608.130	-69.49	-13.0	56.5	32.2	Vertical	<u>PASS</u>
1927.681	-46.52	-13.0	33.5	165.4	Vertical	<u>PASS</u>
6603.491	-49.50	-13.0	36.5	51.8	Vertical	<u>PASS</u>
15802.993	-30.76	-13.0	17.8	6.0	Vertical	<u>PASS</u>

(Plot J.2: HSUPA 1900 MHz Channel = 9262, Test Antenna Vertical)



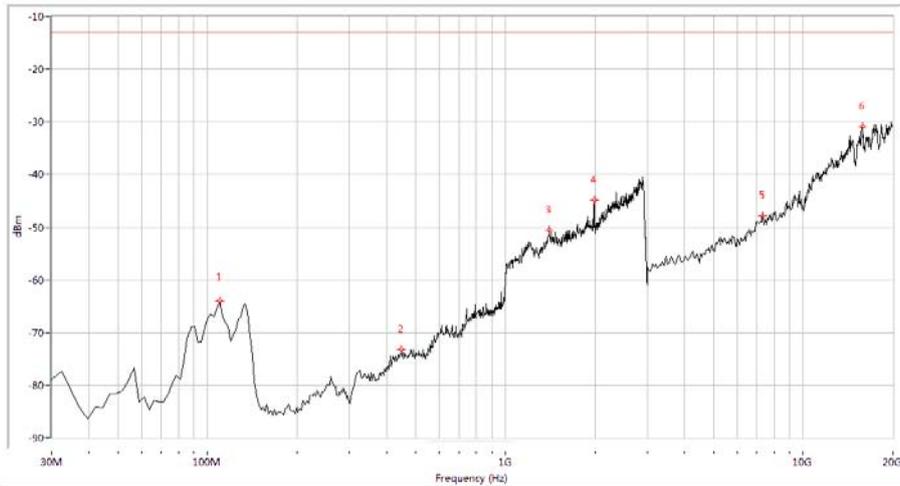
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
107.406	-65.41	-13.0	52.4	162.3	Horizontal	<u>PASS</u>
320.274	-76.49	-13.0	63.5	32.0	Horizontal	<u>PASS</u>
1199.501	-52.82	-13.0	39.8	145.9	Horizontal	<u>PASS</u>
1957.606	-46.61	-13.0	33.6	61.7	Horizontal	<u>PASS</u>
7917.706	-46.79	-13.0	33.8	4.8	Horizontal	<u>PASS</u>
15718.204	-30.63	-13.0	17.6	165.3	Horizontal	<u>PASS</u>

(Plot J.3: HSUPA 1900 MHz Channel = 9400, Test Antenna Horizontal)



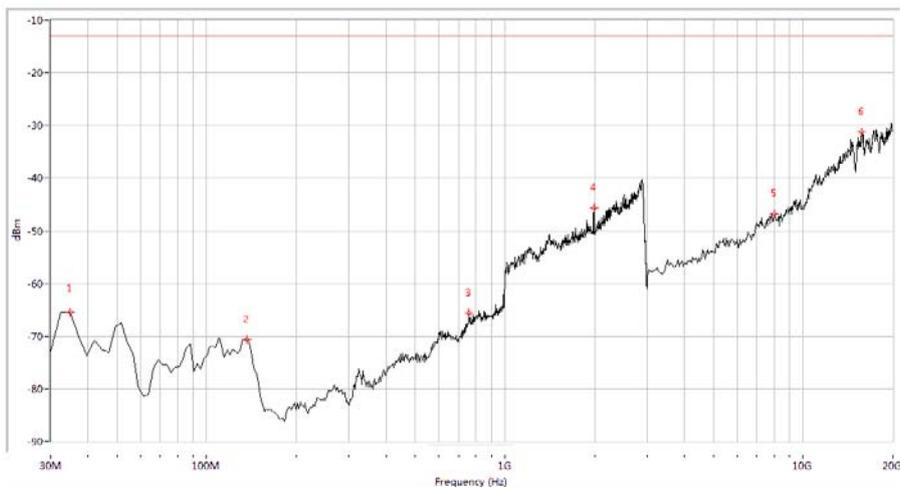
Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-64.87	-13.0	51.9	162.3	Vertical	<u>PASS</u>
134.015	-69.45	-13.0	56.4	230.2	Vertical	<u>PASS</u>
620.224	-67.76	-13.0	54.8	151.7	Vertical	<u>PASS</u>
1957.606	-46.74	-13.0	33.7	54.9	Vertical	<u>PASS</u>
6985.037	-47.75	-13.0	34.7	5.7	Vertical	<u>PASS</u>
15718.204	-31.09	-13.0	18.1	15.9	Vertical	<u>PASS</u>

(Plot J.4: HSUPA 1900 MHz Channel = 9400, Test Antenna Vertical)



Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
109.825	-64.05	-13.0	51.0	18.6	Horizontal	<u>PASS</u>
448.479	-73.28	-13.0	60.3	162.3	Horizontal	<u>PASS</u>
1403.990	-50.62	-13.0	37.6	41.7	Horizontal	<u>PASS</u>
1987.531	-44.80	-13.0	31.8	161.5	Horizontal	<u>PASS</u>
7324.190	-47.78	-13.0	34.8	165.0	Horizontal	<u>PASS</u>
15802.993	-30.98	-13.0	18.0	144.6	Horizontal	<u>PASS</u>

(Plot J.5: HSUPA 1900 MHz Channel = 9538, Test Antenna Horizontal)



Fre. (MHz)	Peak	Limit(PK)	Margin	Degree	Antenna	Verdict
34.838	-65.37	-13.0	52.4	2.3	Vertical	<u>PASS</u>
136.434	-70.67	-13.0	57.7	153.8	Vertical	<u>PASS</u>
758.105	-65.68	-13.0	52.7	14.0	Vertical	<u>PASS</u>
1987.531	-45.70	-13.0	32.7	48.9	Vertical	<u>PASS</u>
8002.494	-46.83	-13.0	33.8	320.6	Vertical	<u>PASS</u>
15718.204	-31.25	-13.0	18.3	201.7	Vertical	<u>PASS</u>

(Plot J.6: HSUPA 1900 MHz Channel = 9538, Test Antenna Vertical)

**** END OF REPORT ****